

Data Element Dictionary Introduction

Purpose: The RCRAInfo Data Element Dictionary (DED) defines the basic organization of the database. The DED contains a list of all tables in the RCRAInfo database, the relationships between tables, and the names and types of each field within each table.

Using DED: To access the tables and/or fields for a specific module, click on the module's book in the Table of Contents then click on Data Element Dictionary. To go to the page of information for a table, click on the Table of Contents page for the table. To view information for a specific field within a table, access the links at the top of document.

Structure: The DED is divided into 5 sections, one for each module in the RCRAInfo database: Handler; Permitting, Closure, and Post-Closure; Compliance Monitoring and Enforcement; Corrective Action; and Waste Activity Monitoring (WAR). The DED is sub-divided into tables (e.g., PSERIES is a table in the Permitting, Closure, and Post-Closure Module), and each table is divided into fields (e.g., Series Sequence is a field within the PSERIES table of the Permitting, Closure, and Post-Closure Module).

Contents: For each table in the RCRAInfo database, the DED provides a list of primary keys. A primary key is a field used by the database management system to uniquely identify a record in RCRAInfo. A list of primary keys for a table appears at the top of the document for that particular table. A list of relationships between the table and other tables and an Entity Relationship Diagram (ERD) are also provided near the top of the document.

The DED also identifies foreign keys, fields which identify records in different tables. Foreign keys can be identified by their Oracle Column Name and/or Description. For example, the Oracle Column Name for EPA Handler ID in PSERIES is FK_HBASICHANDLER_ID. The FK at the beginning indicates that the field is a foreign key, and the HBASICHANDLER_ID identifies the file (HBASIC) and field (HANDLER_ID) for which it serves as a foreign key. The Description provides the same information in plain English. Not all foreign keys will contain FK at the beginning of their Oracle Column Names, but all foreign keys can be identified by their descriptions, which provide links to the fields for which they serve as foreign keys.

For each field in the RCRAInfo database, the DED provides the following information: Data Element Name, Oracle Column Name, Description, Format, Allowed Values, Default Value, whether or not the field is System Required, what the Initiating Source is, Sources of Update, Implementer Defined Codes, whether or not the field is Nationally Required, whether or not the data can be Released by EPA Headquarters, and Comments.



Data Element Dictionary Glossary

Actual Date	The completion date of an event.
Allowed Values	Lists valid data values and their descriptions. "N/A" (not applicable) will be indicated for data elements that do not have a list of values.
Comments	Provides additional information on the data element.
Data Element Name	A short English description of the data element.
Data Elements	Column names and descriptions of data elements which are not part of the primary key.
Default Value	Indicates the value given to a data element if the user does not supply a value.
Description	An English description providing the general definition of the element.
Event Code Name	A name which corresponds to a specific event or event type.
Foreign Key	A key field that identifies records in a different table.
Format	Specifies the Oracle format of the data element including field type and length.
Implementer Defined Codes	Indicates implementer defined values for this element are allowed.
Initiating Source	Indicates the source of information for the data element (i.e., Notification Form, Part A Permit Application).

Nationally Required	Indicates whether the data element is necessary for the oversight of the RCRA program. Some computer-generated data elements are also considered nationally required because they are key fields to the RCRAInfo database.
Oracle Column Name	Oracle name which identifies the data element.
Oracle Table Name	Oracle name which identifies the table.
Primary Key	Data elements that are used to uniquely identify a row in an Oracle table.
Released	Indicates data that Headquarters may release to the public via Envirofacts, NTIS, RTKNet, FOIAs, Web Report postings, etc...
Responsible Agency	Code indicating the agency responsible for the event.
Schedule Date	The date for which an event is targeted to occur.
Source	Indicates the BRS form/location which was the source of the information.
Sources of Update	Indicates the source of information to update the data element (i.e., EPA/State Inspection, Permit Modification)
System Required	Indicates whether the element is necessary for data integrity and for proper functioning of RCRAInfo. Some system-required data elements are computer generated, but many must be provided by the user. The user cannot continue until all system required elements are complete.



Corrective Action Mandatory Data Elements

AEVENT

Data Element Name	Oracle Column Name	Mandatory Data Element	Primary Key
EPA Handler ID	FK_HBASICHANDLER_ID	YES, if CA Event Code is a nationally required value	YES
Corrective Action Event Owner	FK_LU_CA_EVENTOWNER	YES, if CA Event Code is a nationally required value	YES
Corrective Action Event Code	FK_LU_CA_EVENTCA_EVENT_CODE	YES, if CA Event Code is a nationally required value	YES
Event Sequence Number	EVENT_SEQ	YES, if CA Event Code is a nationally required value	YES
Event Responsible Agency	RESPONSIBLE_AGENCY	YES, if CA Event Code is a nationally required value	YES
Event Activity Location	ACTIVITY_LOCATION	YES, if CA Event Code is a nationally required value	YES
Actual Date of Event	ACTUAL_DATE	YES, if CA Event Code is a nationally required value	NO
Best Date for Event	BEST_DATE	NO	NO
Original Scheduled Event Date	SCHEDULE_DATE_ORIG	NO	NO
New Scheduled Event Date	SCHEDULE_DATE_NEW	NO	NO
Event Responsible Suborganization Owner	FK_LU_SUBORGANIOWNER	NO	NO
Event Responsible	FK_LU_SUBORGANISUBORGANIZATION	NO	NO

Corrective Action DED

Suborganization			
Event Responsible Person Owner	FK_LU_STAFFOWNER	NO	NO
Event Responsible Person ID	FK_LU_STAFFPERSON_IDENTIFIER	NO	NO
Notes	NOTES	NO	NO

AAREA

Data Element Name	Oracle Column Name	Mandatory Data Element	Primary Key
EPA Handler ID	FK_HBASICHANDLER_ID	YES	YES
Area Sequence Number	AREA_SEQ	YES	YES
Air Release Indicator	AIR_RELEASE_IND	YES	NO
Facility-wide Indicator	AREA_FACILITYWIDE_IND	YES	NO
Area Name	AREA_NAME	YES	NO
Groundwater Release Indicator	GROUNDWATER_RELEASE_IND	YES	NO
Regulated Unit Indicator	REGULATED_UNIT_IND	NO	NO
Soil Release Indicator	SOIL_RELEASE_IND	YES	NO
Surface Water Release Indicator	SURFACE_WATER_RELEASE_IND	YES	NO
State Responsible Person Owner	FK_LU_STAFF_STATEOWNER	NO	NO
State Responsible Person ID	FK_LU_STAFF_STATEPERSON_ID	NO	NO
EPA Responsible Person Owner	FK_LU_STAFF_EPAOWNER	NO	NO
EPA Responsible Person ID	FK_LU_STAFF_EPAPERSON_ID	NO	NO
Notes	NOTES	NO	NO

ACA AUTHORITY

Data Element Name	Oracle Column Name	Mandatory Data Element	Primary Key
EPA Handler ID	FK_HBASICHANDLER_ID	YES, if CA Event Code is a nationally required value	YES
Authority Owner	FK_LU_AUTHORITYOWNER	YES, if CA Event Code is a nationally required value	YES
Authority Type	FK_LU_AUTHORITYAUTHORITY_TYPE	YES, if CA Event Code is a nationally	YES

		required value	
Effective Date	EFFECTIVE_DATE	YES , if CA Event Code is a nationally required value	YES
Responsible Agency	RESPONSIBLE_AGENCY	YES , if CA Event Code is a nationally required value	YES
Activity Location	ACTIVITY_LOCATION	YES , if CA Event Code is a nationally required value	YES
Issuance Date	ISSUE_DATE	YES , if CA Event Code is a nationally required value	NO
Information Repository Established	REPOSITORY	NO	NO
Revocation Date	REVOKE_DATE	YES , if CA Event Code is a nationally required value	NO
Responsible Suborganization Owner	FK_LU_SUBORGANIOWNER	NO	NO
Responsible Suborganization	FK_LU_SUBORGANISUBORGANIZATION	NO	NO
Responsible Lead Program Owner	FK_LU_LEAD_PROGOWNER	YES , if CA Event Code is a nationally required value	NO
Responsible Lead Program	FK_LU_LEAD_PROGLEAD_PROGRAM	YES , if CA Event Code is a nationally required value	NO
Responsible Attorney Owner	FK_LU_STAFF_ATTYYOWNER	NO	NO
Responsible Attorney Identifier	FK_LU_STAFF_ATTYPerson_ID	NO	NO
Responsible Person Owner	FK_LU_STAFFOWNER	NO	NO
Responsible Person Identifier	FK_LU_STAFFPERSON_IDENTIFIER	NO	NO
Notes	NOTES	NO	NO

ASTATUTE CITATION

Data Element Name	Oracle Column Name	Mandatory	Primary Key
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Corrective Action DED

		Data Element	
Statutory Citation Owner	FK_LU_STATUTORYOWNER	YES , if CA Event Code is a nationally required value	YES
Statutory Citation	FK_LU_STATUTORYSTATUTORY_CITAT	YES , if CA Event Code is a nationally required value	YES
EPA Handler ID	FK_ACA_AUTHORITYFK_HBASICHANDLE	YES , if CA Event Code is a nationally required value	YES
Authority Owner	FK_ACA_AUTHORITYFK_LU_AUTHOWNER	YES , if CA Event Code is a nationally required value	YES
Authority Type	FK_ACA_AUTHORITYFK_LU_AUTHTYPE	YES , if CA Event Code is a nationally required value	YES
Authority Effective Date	FK_ACA_AUTHORITYEFFECTIVE_DATE	YES , if CA Event Code is a nationally required value	YES
Authority Responsible Agency	FK_ACA_AUTHORITYRESPONSIBLE_AGE	YES , if CA Event Code is a nationally required value	YES
Authority Activity Location	FK_ACA_AUTHORITYACTIVITY_LOCATI	YES , if CA Event Code is a nationally required value	YES
Notes	NOTES		NO



AEVENT

Primary Key for AEVENT:

Data Element Name

[EPA Handler ID](#)

[Corrective Action Event Owner](#)

[Corrective Action Event Code](#)

[Event Sequence Number](#)

[Event Responsible Agency](#)

[Event Activity Location](#)

Oracle Column Name

FK_HBASICHANDLER_ID

FK_LU_CA_EVENTOWNER

FK_LU_CA_EVENTCA_EVENT_CODE

EVENT_SEQ

RESPONSIBLE_AGENCY

ACTIVITY_LOCATION

Data Elements for AEVENT:

Data Element Name

[Actual Date of Event](#)

[Best Date for Event](#)

[Original Scheduled Event Date](#)

[New Scheduled Event Date](#)

[Event Responsible Suborganization Owner](#)

[Event Responsible Suborganization](#)

[Event Responsible Person Owner](#)

[Event Responsible Person ID](#)

[User ID of Last Change](#)

[Date of Last Change](#)

[Notes](#)

Oracle Column Name

ACTUAL_DATE

BEST_DATE

SCHEDULE_DATE_ORIG

SCHEDULE_DATE_NEW

FK_LU_SUBORGANIOWNER

FK_LU_SUBORGANISUBORGANIZATION

FK_LU_STAFFOWNER

FK_LU_STAFFPERSON_IDENTIFIER

USERID

LAST_CHANGE

NOTES

Relationships

Always IS_ESTABLISHED_BY One [HBASIC](#)

Sometimes LINKS One or More [ALN_EVENT_AUTHORITY](#)

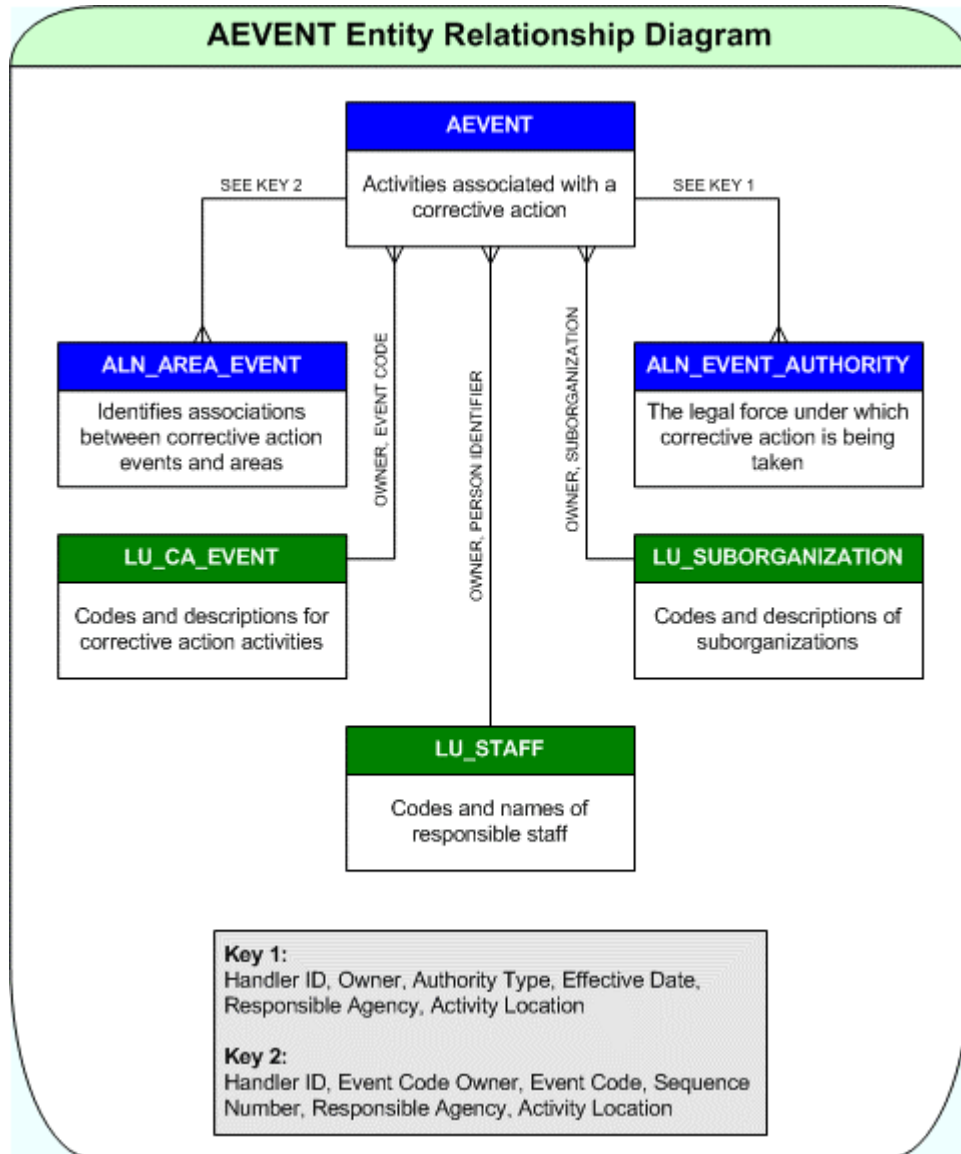
Sometimes IS_LINKED_BY One or More [ALN_AREA_EVENT](#)

Corrective Action DED

Always IS_REFERENCED_BY One [LU_CA_EVENT](#)

Sometimes ASSOCIATES_PERSON One [LU_STAFF](#)

Sometimes IS_REFERENCED_BY One [LU_SUBORGANIZATION](#)



For the complete Corrective Action Entity Relationship Diagram, [click here](#).

EPA Handler ID**Table: AEVENT**

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_HBASICHANDLER_ID
Description:	Foreign key to HANDLER_ID in HBASIC.
System Required:	Yes
Initiating Source:	None
Sources of Update:	None
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Corrective Action Event Owner**Table: AEVENT**

Data Element Name:	Corrective Action Event Owner
Oracle Column Name:	FK_LU_CA_EVENTOWNER
Description:	Foreign key to OWNER in LU_CA_EVENT .
System Required:	Yes
Initiating Source:	Populated when Corrective Action Event is selected.
Sources of Update:	None
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Corrective Action Event Code

Table: AEVENT

Data Element Name:	Corrective Action Event Code
Oracle Column Name:	FK_LU_CA_EVENTCA_EVENT_CODE
Description:	Foreign key to CA_EVENT_CODE in LU_CA_EVENT .
System Required:	Yes
Initiating Source:	User entered
Sources of Update:	User entered
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Event Sequence Number

Table: AEVENT

Data Element Name:	Event Sequence Number
Oracle Column Name:	EVENT_SEQ
Description:	System-generated value used to uniquely identify multiple occurrences of a corrective action event.
Format:	NUMBER(3)
Allowed Values:	001 - 999
Default Value:	Next sequential number
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	Cannot be changed once area is created.
Implementer Defined Codes:	N/A

Nationally Required: Yes, if CA_EVENT_CODE is a nationally required value.

Released: Yes, if CA_EVENT_CODE is a nationally required value.

Comments:

Event Responsible Agency

Table: AEVENT

Data Element Name:	Event Responsible Agency										
Oracle Column Name:	RESPONSIBLE_AGENCY										
Description:	Code indicating the agency responsible for overseeing a specific corrective action event.										
Format:	CHAR(1)										
Allowed Values:	<table> <tr> <td>E</td> <td>EPA</td> </tr> <tr> <td>S</td> <td>State</td> </tr> <tr> <td>J</td> <td>Joint</td> </tr> <tr> <td>O</td> <td>Other or voluntary CA event if State entered the data</td> </tr> <tr> <td>P</td> <td>Other or voluntary CA event if EPA Region entered the data</td> </tr> </table>	E	EPA	S	State	J	Joint	O	Other or voluntary CA event if State entered the data	P	Other or voluntary CA event if EPA Region entered the data
E	EPA										
S	State										
J	Joint										
O	Other or voluntary CA event if State entered the data										
P	Other or voluntary CA event if EPA Region entered the data										
Default Value:	None										
System Required:	Yes										
Initiating Source:	Implementer										
Sources of Update:	Implementer										
Implementer Defined Codes:	No										
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.										
Released:	Yes, if CA_EVENT_CODE is a nationally required value.										
Comments:											

Event Activity Location

Table: AEVENT

Data Element Name:	Event Activity Location
Oracle Column Name:	ACTIVITY_LOCATION
Description:	Indicates the location of the agency regulating the activity.
Format:	CHAR(2)
Allowed Values:	State postal code
Default Value:	Location of the current user ID
System Required:	Yes
Initiating Source:	System-generated if State user. Regional users must choose the desired state within their Region.
Sources of Update:	Cannot be changed once event is created.
Implementer Defined Codes:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Actual Date of Event

Table: AEVENT

Data Element Name:	Actual Date of Event
Oracle Column Name:	ACTUAL_DATE
Description:	Date on which actual completion of a corrective action event occurs.

Format:	DATE
Allowed Values:	Valid date not greater than today's date
Default Value:	None
System Required:	Yes, if New Scheduled Event Date is blank
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Best Date For Event

Table: AEVENT

Data Element Name:	Best Date For Event
Oracle Column Name:	BEST_DATE
Description:	The best date for determining the occurrence of the actual completion of the corrective action event.
Format:	DATE
Allowed Values:	Valid date
Default Value:	None
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Original Scheduled Event Date

Table: AEVENT

Data Element Name:	Original Scheduled Event Date
Oracle Column Name:	SCHEDULE_DATE_ORIG
Description:	The original scheduled completion date for an event. This date should not be updated to record schedule slippage. Slippage of the scheduled completion date is recorded in the New Scheduled Event Date field.
Format:	DATE
Allowed Values:	Valid date
Default Value:	Initially set to the same value as the New Scheduled Event Date .
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Once an event is entered the user may not update this element. This allows the system to track event/time slippage from an original start date.
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	<p>The specific definition for "scheduled date" may be dependent upon the event being tracked. Examples:</p> <ul style="list-style-type: none"> • The due date for a submittal from the facility. • The date an EPA letter is scheduled for transmittal. • The date the facility is scheduled to begin implementation of the RFI, CMS, CMI, etc.

New Scheduled Event Date

Table: AEVENT

Data Element Name:	New Scheduled Event Date
Oracle Column Name:	SCHEDULE_DATE_NEW
Description:	Revised scheduled completion date of the corrective action event. This date is used in conjunction with the Original Scheduled Event Date to allow tracking scheduled date slippage. As the scheduled date changes, this field is updated with the new date and the Original Scheduled Event Date is not changed.
Format:	DATE
Allowed Values:	Valid date
Default Value:	None
System Required:	Yes, if Actual Date of Event is blank.
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	The specific definition for "scheduled date" may be dependent upon the event being tracked. Examples: <ul style="list-style-type: none"> • The due date for a submittal from the facility. • The date an EPA letter is scheduled for transmittal. • The date the facility is scheduled to begin implementation of the RFI, CMS, CMI, etc.

Event Responsible Suborganization Owner

Table: AEVENT

Data Element Name:	Event Responsible Suborganization Owner
Oracle Column Name:	FK_LU_SUBORGANIOWNER
Description:	Foreign key to OWNER in LU SUBORGANIZATION .
System Required:	No
Initiating Source:	Populated when Event Responsible Suborganization is selected.

Corrective Action DED

Sources of Update:	Updated when new Event Responsible Suborganization is selected.
Nationally Required:	No
Released:	No
Comments:	

Event Responsible Suborganization

Table: AEVENT

Data Element Name:	Event Responsible Suborganization
Oracle Column Name:	FK_LU_SUBORGANISUBORGANIZATION
Description:	Foreign key to SUBORGANIZATION in LU_SUBORGANIZATION .
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Nationally Required:	No
Released:	No
Comments:	

Event Responsible Person Owner

Table: AEVENT

Data Element Name:	Event Responsible Person Owner
Oracle Column Name:	FK_LU_STAFFOWNER
Description:	Foreign key to OWNER in LU_STAFF .
System Required:	No
Initiating Source:	Populated when Event Responsible Person is

Sources of Update:	selected. Updated when new Event Responsible Person is selected.
Nationally Required:	No
Released:	No
Comments:	

Event Responsible Person Identifier

Table: AEVENT

Data Element Name:	Event Responsible Person Identifier
Oracle Column Name:	FK_LU_STAFFPERSON_IDENTIFIER
Description:	Foreign key to PERSON_IDENTIFIER in LU_STAFF .
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Nationally Required:	No
Released:	No
Comments:	

User ID of Last Change

Table: AEVENT

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.

Corrective Action DED

Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: AEVENT

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Notes

Table: AEVENT

Data Element Name:	Notes
Oracle Column	NOTES
Description:	Additional description of the corrective action event.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	



AAREA

Primary Key for AAREA:

Data Element Name	Oracle Column Name
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EPA Handler ID	FK_HBASICHANDLER_ID
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Area Sequence Number	AREA_SEQ
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Data Elements for AAREA:

Data Element Name	Oracle Column Name
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Air Release Indicator	AIR_RELEASE_IND
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Area Facility-wide Indicator	AREA_FACILITYWIDE_IND
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Area Name	AREA_NAME
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Groundwater Release Indicator	GROUNDWATER_RELEASE_IND
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Regulated Unit Indicator	REGULATED_UNIT_IND
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Soil Release Indicator	SOIL_RELEASE_IND
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Surface Water Release Indicator	SURFACE_WATER_RELEASE_IND
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State Responsible Person Owner	FK_LU_STAFF_STATEOWNER
--	------------------------

State Responsible Person ID	FK_LU_STAFF_STATEPERSON_ID
---	----------------------------

EPA Responsible Person Owner	FK_LU_STAFF_EPAOWNER
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EPA Responsible Person ID	FK_LU_STAFF_EPAPERSON_ID
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User ID of Last Change	USERID
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Date of Last Change	LAST_CHANGE
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Notes	NOTES
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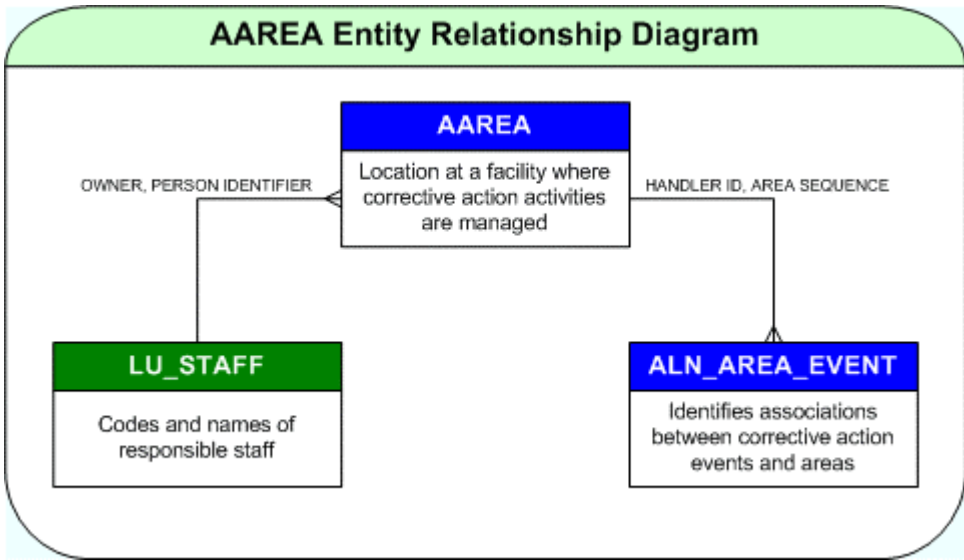
Relationships

Always IS_ESTABLISHED_BY One [HBASIC](#)

Sometimes IS_ASSOCIATED_WITH_EPA_PERSON One [LU_STAFF](#)

Sometimes IS_ASSOCIATED_WITH_STATE_PERSON One [LU_STAFF](#)

Sometimes LINKS_WITH_EVENT One or More [ALN_AREA_EVENT](#)



For the complete Corrective Action Entity Relationship Diagram, [click here](#).

EPA Handler ID

Table: AAREA

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_HBASICHANDLER_ID
Description:	Foreign key to HANDLER_ID in HBASIC.
System Required:	Yes
Initiating Source:	None
Sources of Update:	None
Nationally Required:	Yes
Released:	Yes
Comments:	

Area Sequence Number

Table: AAREA

Data Element Name:	Area Sequence Number
Oracle Column Name:	AREA_SEQ
Description:	Code used for administrative purposes to uniquely designate a group of units (or a single unit) with a common history and projection of corrective action requirements.
Format:	NUMBER(4)
Allowed Values:	0001 - 9999
Default Value:	Next sequential number
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	Cannot be changed once area is created.
Implementer Defined Codes:	N/A
Nationally Required:	Yes
Released:	Yes
Comments:	

Air Release Indicator

Table: AAREA

Data Element Name:	Air Release Indicator
Oracle Column Name:	AIR_RELEASE_IND
Description:	Indicates that there has been a release to air (either within or beyond the facility boundary) from the unit/area. This may include releases of subsurface gas.
Format:	CHAR(1)

Allowed Values:	X
Default Value:	Blank
System Required:	No
Initiating Source:	Information sources could include: RFA, EPA/State/Local inspections, RCRA or state monitoring data, CMEL report, citizen complaints, CERCLA 103 release notifications, spill reports, voluntary reporting by owner/operator, results of previous EPA- or state-required investigations (e.g., partial or full RFI, RI under CERCLA, Ground Water Quality Assessment Report, etc.), or other sources.
Sources of Update:	Update sources could include any of the above initiating sources.
Implementer Defined Codes:	No
Nationally Required:	Yes
Released:	Yes
Comments:	

Area Facility-wide Indicator

Table: AAREA

Data Element Name:	Area Facility-wide Indicator
Oracle Column Name:	AREA_FACILITYWIDE_IND
Description:	Indicates that the corrective action applies to the entire facility.
Format:	CHAR(1)
Allowed Values:	Y Yes N No
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	No

Corrective Action DED

Nationally Required: Yes
Released: Yes
Comments:

Area Name

Table: AAREA

Data Element Name:	Area Name
Oracle Column Name:	AREA_NAME
Description:	Name or number assigned by the implementing agency to identify a corrective action area.
Format:	VARCHAR2(40)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	Yes
Released:	Yes
Comments:	

Groundwater Release Indicator

Table: AAREA

Data Element Name:	Groundwater Release Indicator
Oracle Column Name:	GROUNDWATER_RELEASE_IND
Description:	Indicates that there has been a release to

	groundwater from the unit/area.
Format:	CHAR(1)
Allowed Values:	X
Default Value:	Blank
System Required:	No
Initiating Source:	Information sources could include: RFA, EPA/State/Local inspections, RCRA or State monitoring data, CMEL report, citizen complaints, CERCLA 103 release notifications, spill reports, voluntary owner/operator reporting, results of previous EPA- or State-required investigations (e.g., full or partial RFI, RI under CERCLA, Groundwater Quality Assessment Report, etc.), or other sources.
Sources of Update:	Update sources could include any of the above initiating sources.
Implementer Defined Codes:	No
Nationally Required:	Yes
Released:	Yes
Comments:	

Regulated Unit Indicator

Table: AAREA

Data Element Name:	Regulated Unit Indicator
Oracle Column Name:	REGULATED_UNIT_IND
Description:	Indicates that the corrective action applies to a regulated unit.
Format:	CHAR(1)
Allowed Values:	X
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	No

Nationally Required: No
Released: No
Comments:

Soil Release Indicator

Table: AAREA

Data Element Name:	Soil Release Indicator
Oracle Column Name:	SOIL_RELEASE_IND
Description:	Indicates that there has been a release to soil (either within or beyond the facility boundary) from the unit/area. This may include subsoil contamination beneath the unit/area.
Format:	CHAR(1)
Allowed Values:	X
Default Value:	Blank
System Required:	No
Initiating Source:	Information sources could include: RFA, EPA/State/Local inspections, RCRA or state monitoring data, CMEL report, citizen notifications, spill reports, voluntary reporting by owner/operator, results of previous EPA- or state-required investigations (e.g., partial or full RFI, RI under CERCLA, Ground Water Quality Assessment Report, etc.), or other sources.
Sources of Update:	Update sources could include any of the above initiating sources.
Implementer Defined Codes:	No
Nationally Required:	Yes
Released:	Yes
Comments:	

Surface Water Release Indicator

Table: AAREA

Data Element Name:	Surface Water Release Indicator
Oracle Column Name:	SURFACE_WATER_RELEASE_IND
Description:	Indicates that there has been a release to surface water (either within or beyond the facility boundary) from the unit/area.
Format:	CHAR(1)
Allowed Values:	X
Default Value:	Blank
System Required:	No
Initiating Source:	Information sources could include: RFA, EPA/State/Local inspections, RCRA or state monitoring data, CMEL report, citizen complaints, CERCLA 103 release notifications, spill reports, voluntary reporting by owner/operator, results of previous EPA- or state-required investigations (e.g., partial or full RFI, RI under CERCLA, Ground Water Quality Assessment Report, etc.), or other sources.
Sources of Update:	Update sources could include any of the above initiating sources.
Implementer Defined Codes:	No
Nationally Required:	Yes
Released:	Yes
Comments:	

State Responsible Person Owner

Table: AAREA

Data Element Name:	State Responsible Person Owner
Oracle Column Name:	FK_LU_STAFF_STATEOWNER

Corrective Action DED

Description:	Foreign key to OWNER in LU_STAFF .
System Required:	Yes
Initiating Source:	Populated when State Responsible Person ID is selected.
Sources of Update:	Updated when new State Responsible Person ID is selected.
Nationally Required:	No
Released:	No
Comments:	

State Responsible Person Identifier

Table: AAREA

Data Element Name:	State Responsible Person Identifier
Oracle Column Name:	FK_LU_STAFF_STATEPERSON_ID
Description:	The state person currently responsible for overseeing the corrective action area.
	Foreign key to PERSON_IDENTIFIER in LU_STAFF .
System Required:	Yes
Initiating Source:	Implementer
Sources of Update:	Implementer
Nationally Required:	No
Released:	No
Comments:	

EPA Responsible Person Owner

Table: AAREA

Data Element Name:	EPA Responsible Person Owner
Oracle Column Name:	FK_LU_STAFF_EPAOWNER
Description:	Foreign key to OWNER in LU_STAFF .
System Required:	Yes
Initiating Source:	Populated when EPA Responsible Person ID is selected.
Sources of Update:	Updated when new EPA Responsible Person ID is selected.
Nationally Required:	No
Released:	No
Comments:	

EPA Responsible Person Identifier

Table: AAREA

Data Element Name:	EPA Responsible Person Identifier
Oracle Column Name:	FK_LU_STAFF_EPAPERSON_ID
Description:	Foreign key to PERSON_IDENTIFIER in LU_STAFF .
System Required:	Yes
Initiating Source:	Implementer
Sources of Update:	Implementer
Nationally Required:	No
Released:	No
Comments:	

User ID of Last Change

Table: AAREA

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: AAREA

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Notes**Table: AAREA**

Data Element Name:	Notes
Oracle Column	NOTES
Description:	Additional description of the corrective action area.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	



ACA_AUTHORITY

Primary Key for ACA_AUTHORITY:

Data Element Name	Oracle Column Name
EPA Handler ID	FK_HBASICHANDLER_ID
Authority Owner	FK_LU_AUTHORITYOWNER
Authority Type	FK_LU_AUTHORITYAUTHORITY_TYPE
Effective Date	EFFECTIVE_DATE
Responsible Agency	RESPONSIBLE_AGENCY
Activity Location	ACTIVITY_LOCATION

Data Elements for ACA_AUTHORITY:

Data Element Name	Oracle Column Name
Issue Date	ISSUE_DATE
Repository Established	REPOSITORY
Revoke Date	REVOKE_DATE
Responsible Suborganization Owner	FK_LU_SUBORGANIOWNER
Responsible Suborganization	FK_LU_SUBORGANISUBORGANIZATION
Responsible Lead Program Owner	FK_LU_LEAD_PROGOWNER
Responsible Lead Program	FK_LU_LEAD_PROGLEAD_PROGRAM
Attorney Owner	FK_LU_STAFF_ATTYYOWNER
Attorney Identifier	FK_LU_STAFF_ATTYPerson_ID
Responsible Person Owner	FK_LU_STAFFOWNER
Responsible Person Identifier	FK_LU_STAFFPERSON_IDENTIFIER
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Notes	NOTES

Relationships

Always IS_REFERENCED_BY One [HBASIC](#)

Always IS_REFERENCED_BY One [LU_AUTHORITY](#)

Always IS_REFERENCED_BY One [LU_SUBORGANIZATION](#)

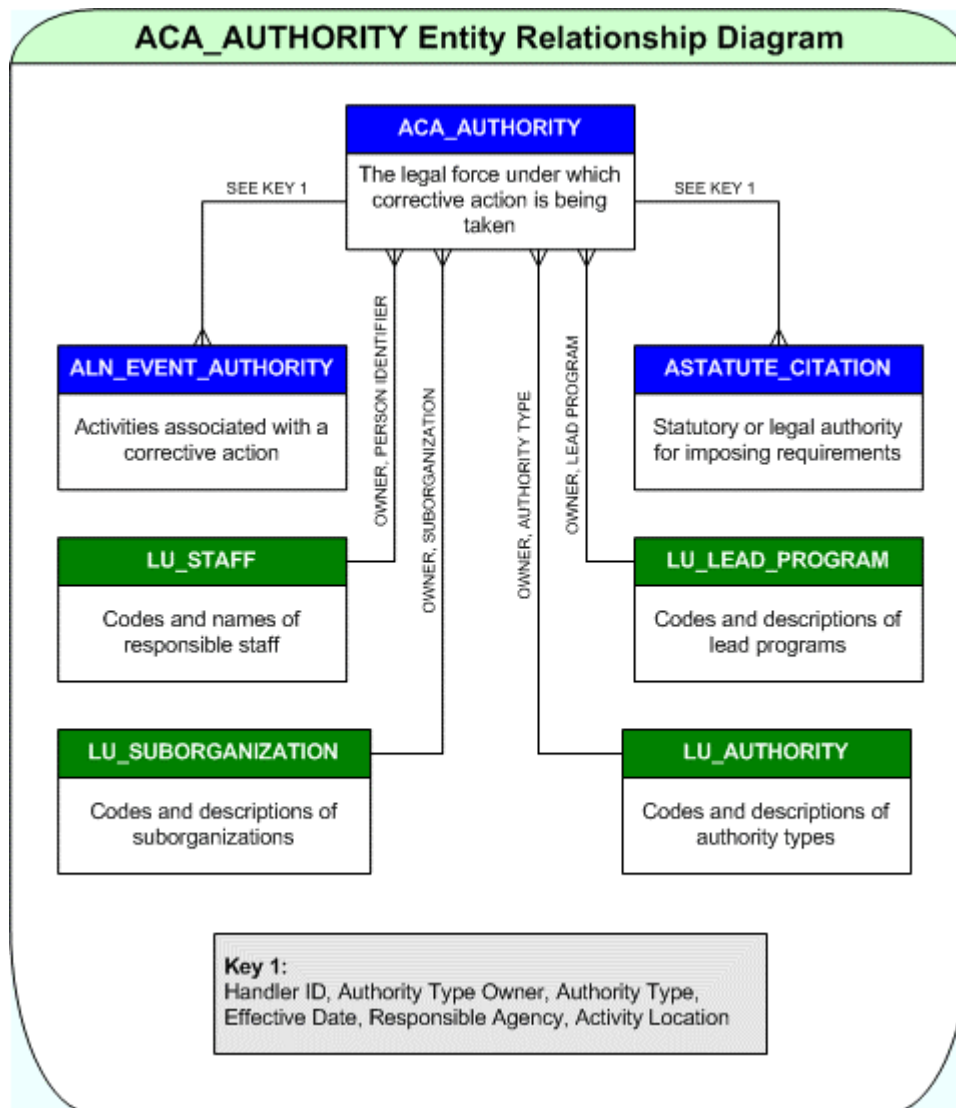
Sometimes IS_REFERENCED_BY One [LU_LEAD_PROGRAM](#)

Sometimes ASSOCIATES_WITH One or More [ASTATUTE_CITATION](#)

Sometimes HAS_ASSOCIATED_PERSON One [LU_STAFF](#)

Sometimes IS_ASSOCIATED_WITH_ATTORNEY One [LU_STAFF](#)

Sometimes IS_LINKED_BY One or More [ALN_EVENT_AUTHORITY](#)



For the complete Corrective Action Entity Relationship Diagram, [click here](#).

EPA Handler ID

Table: ACA_AUTHORITY

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_HBASICHANDLER_ID

Description:	Foreign key to HANDLER_ID in HBASIC.
System Required:	Yes
Initiating Source:	Notification
Sources of Update:	System Administrator
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Authority Owner

Table: ACA_AUTHORITY

Data Element Name:	Authority Owner
Oracle Column Name:	FK_LU_AUTHORITYOWNER
Description:	Foreign key to OWNER in LU_AUTHORITY .
System Required:	Yes
Initiating Source:	Populated when Authority Type is selected.
Sources of Update:	Updated when a new Authority Type is selected.
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Authority Type

Table: ACA_AUTHORITY

Corrective Action DED

Data Element Name:	Authority Type
Oracle Column Name:	FK_LU_AUTHORITYAUTHORITY_TYPE
Description:	Foreign key to AUTHORITY_TYPE in LU_AUTHORITY .
System Required:	Yes
Initiating Source:	Permit, Order, or HSWA Analogous State Activity
Sources of Update:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Effective Date

Table: ACA_AUTHORITY

Data Element Name:	Effective Date
Oracle Column Name:	EFFECTIVE_DATE
Description:	For a permit modification the effective date is cited in that document. For a unilateral order or consent decree it is the date the authorized agency official signs the order, unless a different date is cited within the order. If the authority is on appeal, it is the date when the appeal becomes effective.
Format:	DATE
Allowed Values:	Valid date
Default Value:	None
System Required:	Yes
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Implementer Defined Codes:	N/A

Nationally Required: Yes, if CA_EVENT_CODE is a nationally required value.

Released: Yes, if CA_EVENT_CODE is a nationally required value.

Comments:

Responsible Agency

Table: ACA_AUTHORITY

Data Element Name:	Responsible Agency						
Oracle Column Name:	RESPONSIBLE_AGENCY						
Description:	Code indicating the agency responsible for originating the specific order, permit or permit modification and for overseeing the activities imposed by that authority.						
Format:	CHAR(1)						
Allowed Values:	<table border="0"> <tr> <td>E</td> <td>EPA</td> </tr> <tr> <td>S</td> <td>State</td> </tr> <tr> <td>J</td> <td>Joint</td> </tr> </table>	E	EPA	S	State	J	Joint
E	EPA						
S	State						
J	Joint						
Default Value:	None						
System Required:	Yes						
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.						
Sources of Update:	Same as Initiating Source.						
Implementer Defined Codes:	N/A						
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.						
Released:	Yes, if CA_EVENT_CODE is a nationally required value.						
Comments:							

Activity Location

Table: ACA_AUTHORITY

Data Element Name:	Activity Location
Oracle Column Name:	ACTIVITY_LOCATION
Description:	Indicates the location of the agency regulating the activity.
Format:	CHAR(2)
Allowed Values:	State postal code
Default Value:	None
System Required:	Yes
Initiating Source:	System-generated if State user. Regional users must choose the desired state within their Region.
Sources of Update:	Cannot be changed once authority is created.
Implementer Defined Codes:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Issue Date

Table: ACA_AUTHORITY

Data Element Name:	Issue Date
Oracle Column Name:	ISSUE_DATE
Description:	Date the authorized agency official signs the order, permit, or permit modification.

Format:	DATE
Allowed Values:	Valid date
Default Value:	Blank
System Required:	No
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Implementer Defined Codes:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Repository Established

Table: ACA_AUTHORITY

Data Element Name:	Repository Established						
Oracle Column Name:	REPOSITORY						
Description:	The action by which the Director requires the owner/operator to establish and maintain an information repository at a location near the facility for the purpose of making accessible to interested parties documents, reports, and other public information relevant to public understanding of the activities, findings, and plans for such corrective action initiatives.						
Format:	CHAR(1)						
Allowed Values:	<table> <tr> <td>1</td><td>N/A</td></tr> <tr> <td>2</td><td>Required, established</td></tr> <tr> <td>3</td><td>Required, not established</td></tr> </table>	1	N/A	2	Required, established	3	Required, not established
1	N/A						
2	Required, established						
3	Required, not established						
Default Value:	Blank						

Corrective Action DED

System Required:	No
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Implementer Defined Codes:	None
Nationally Required:	No
Released:	No
Comments:	

Revoke Date

Table: ACA_AUTHORITY

Data Element Name:	Revoke Date
Oracle Column Name:	REVOKE_DATE
Description:	The date when the corrective action authority is revoked.
Format:	DATE
Allowed Values:	Valid date
Default Value:	Blank
System Required:	No
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Implementer Defined Codes:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Responsible Suborganization Owner

Table: ACA_AUTHORITY

Data Element Name:	Responsible Suborganization Owner
Oracle Column Name:	FK_LU_SUBORGANIOWNER
Description:	Foreign key to OWNER in LU_SUBORGANIZATION .
System Required:	No
Initiating Source:	Populated when Authority Responsible Suborganization is selected.
Sources of Update:	Updated when a new Authority Responsible Suborganization is selected.
Nationally Required:	No
Released:	No
Comments:	

Responsible Suborganization

Table: ACA_AUTHORITY

Data Element Name:	Responsible Suborganization
Oracle Column Name:	FK_LU_SUBORGANISUBORGANIZATION
Description:	Code indicating the section of the organization accountable for overseeing the activities imposed by the authority. Foreign key to SUBORGANIZATION in LU_SUBORGANIZATION .
System Required:	No
Initiating Source:	The agency person responsible for initiating the

Corrective Action DED

	action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Nationally Required:	No
Released:	No
Comments:	

Responsible Lead Program Owner

Table: ACA_AUTHORITY

Data Element Name:	Responsible Lead Program Owner
Oracle Column Name:	FK_LU_LEAD_PROGOWNER
Description:	Foreign key to OWNER in LU_LEAD_PROGRAM .
System Required:	Yes
Initiating Source:	Populated when Authority Responsible Lead Program is selected.
Sources of Update:	Updated when a new Authority Responsible Lead Program is selected.
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Responsible Lead Program

Table: ACA_AUTHORITY

Data Element Name:	Responsible Lead Program
Oracle Column Name:	FK_LU_LEAD_PROGLEAD_PROGRAM
Description:	Foreign key to LEAD_PROGRAM in LU_LEAD_PROGRAM .
System Required:	Yes
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Attorney Owner

Table: ACA_AUTHORITY

Data Element Name:	Attorney Owner
Oracle Column Name:	FK_LU_STAFF_ATTOWNER
Description:	Foreign key to OWNER in LU_STAFF .
System Required:	No
Initiating Source:	Populated when Authority Attorney is selected.
Sources of Update:	Updated when a new Authority Attorney is selected.
Nationally Required:	No
Released:	No
Comments:	

Attorney Identifier

Table: ACA_AUTHORITY

Data Element Name:	Attorney Identifier
Oracle Column Name:	FK_LU_STAFF_ATTYPerson_ID
Description:	The first two characters must be a Region code (R1 - R0) or a valid state postal code. The last three characters are a code or initials of the attorney.
	Foreign key to PERSON_IDENTIFIER in LU_STAFF .
System Required:	No
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Nationally Required:	No
Released:	No
Comments:	

Responsible Person Owner**Table: ACA_AUTHORITY**

Data Element Name:	Responsible Person Owner
Oracle Column Name:	FK_LU_STAFFOWNER
Description:	Foreign key to OWNER in LU_STAFF .
System Required:	No
Initiating Source:	Populated when Authority Responsible Person is selected.
Sources of Update:	Updated when a new Authority Responsible Person is selected.
Nationally Required:	No
Released:	No

Comments:

Responsible Person Identifier

Table: ACA_AUTHORITY

Data Element Name:	Responsible Person Identifier
Oracle Column Name:	FK_LU_STAFFPERSON_IDENTIFIER
Description:	Foreign key to PERSON_IDENTIFIER in LU_STAFF .
System Required:	No
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Nationally Required:	No
Released:	No
Comments:	

User ID of Last Change

Table: ACA_AUTHORITY

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A

Corrective Action DED

Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: ACA_AUTHORITY

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Notes

Table: ACA_AUTHORITY

Data Element Name:	Notes
Oracle Column Name:	NOTES
Description:	Additional description of the authority.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	



ASTATUTE_CITATION

Primary Key for ASTATUTE_CITATION:

Data Element Name	Oracle Column Name
Statutory Citation Owner	FK_LU_STATUTORYOWNER
Statutory Citation	FK_LU_STATUTORYSTATUTORY_CITAT
EPA Handler ID	FK_ACA_AUTHORITYFK_HBASICHANDLE
Authority Owner	FK_ACA_AUTHORITYFK_LU_AUTHOWNER
Authority Type	FK_ACA_AUTHORITYFK_LU_AUTHTYPE
Authority Effective Date	FK_ACA_AUTHORITYEFFECTIVE_DATE
Authority Responsible Agency	FK_ACA_AUTHORITYRESPONSIBLE_AGE
Authority Activity Location	FK_ACA_AUTHORITYACTIVITY_LOCATI

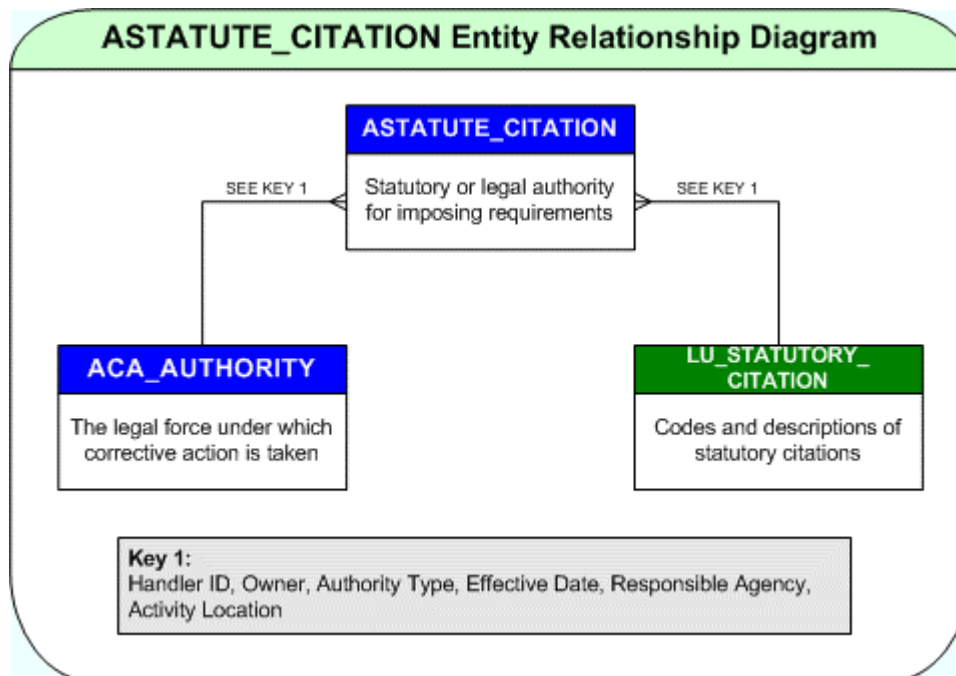
Data Elements for ASTATUTE_CITATION:

Data Element Name	Oracle Column Name
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Notes	NOTES

Relationships

Always IS_ASSOCIATED_BY One [ACA_AUTHORITY](#)

Always IS_REFERENCED_BY One [LU_STATUTORY_CITATION](#)



For the complete Corrective Action Entity Relationship Diagram, [click here](#).

Statutory Citation Owner

Table: ASTATUTE_CITATION

Data Element Name:	Statutory Citation Owner
Oracle Column Name:	FK_LU_STATUTORYOWNER
Description:	Foreign key to OWNER in LU_STATUTORY_CITATION .
System Required:	Yes
Initiating Source:	Populated when Statutory Citation is selected.
Sources of Update:	Updated when a new Statutory Citation is selected.
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Statutory Citation

Table: ASTATUTE_CITATION

Data Element Name:	Statutory Citation
Oracle Column Name:	FK_LU_STATUTORYSTATUTORY_CITAT
Description:	Foreign key to STATUTORY_CITATION in LU_STATUTORY_CITATION .
System Required:	Yes
Initiating Source:	Corrective Action Authority
Sources of Update:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

EPA Handler ID

Table: ASTATUTE_CITATION

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_ACA_AUTHORITYFK_HBASICHANDLE
Description:	Foreign key to FK_HBASICHANDLER_ID in ACA_AUTHORITY .
System Required:	Yes
Initiating Source:	Notification
Sources of Update:	System Administrator
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.

Released: Yes, if CA_EVENT_CODE is a nationally required value.

Comments:

Authority Owner

Table: ASTATUTE_CITATION

Data Element Name:	Authority Owner
Oracle Column Name:	FK_ACA_AUTHORITYFK_LU_AUTHOWNER
Description:	Foreign key to FK_LU_AUTHORITYOWNER in ACA_AUTHORITY .
System Required:	Yes
Initiating Source:	Populated when Authority Type is selected.
Sources of Update:	Updated when a new Authority Type is selected.
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Authority Type

Table: ASTATUTE_CITATION

Data Element Name:	Authority Type
Oracle Column Name:	FK_ACA_AUTHORITYFK_LU_AUTHTYPE
Description:	Foreign key to FK_LU_AUTHORITYAUTHORITYTYPE in ACA_AUTHORITY .
System Required:	Yes

Corrective Action DED

Initiating Source:	Permit, Order, or HSWA Analogous State Activity
Sources of Update:	N/A
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Authority Effective Date

Table: ASTATUTE_CITATION

Data Element Name:	Authority Effective Date
Oracle Column Name:	FK_ACA_AUTHORITEFFECTIVE_DATE
Description:	Foreign key to EFFECTIVE_DATE in ACA_AUTHORITY .
System Required:	Yes
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Authority Responsible Agency

Table: ASTATUTE_CITATION

Data Element Name:	Authority Responsible Agency
Oracle Column Name:	FK_ACA_AUTHORITRESPONSIBLE_AGE
Description:	Foreign key to RESPONSIBLE_AGENCY in ACA_AUTHORITY .
System Required:	Yes
Initiating Source:	The agency person responsible for initiating the action or the person responsible for tracking the action.
Sources of Update:	Same as Initiating Source
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

Authority Activity Location

Table: ASTATUTE_CITATION

Data Element Name:	Authority Activity Location
Oracle Column Name:	FK_ACA_AUTHORITACTIVITY_LOCATI
Description:	Foreign key to ACTIVITY_LOCATION in ACA_AUTHORITY .
System Required:	Yes
Initiating Source:	System-generated if State user. Regional users must choose the desired state within their Region.
Sources of Update:	Cannot be changed once the authority is created.
Nationally Required:	Yes, if CA_EVENT_CODE is a nationally required value.
Released:	Yes, if CA_EVENT_CODE is a nationally required value.
Comments:	

User ID of Last Change

Table: ASTATUTE_CITATION

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	Yes
Comments:	

Date of Last Change

Table: ASTATUTE_CITATION

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A

Nationally Required:	No
Released:	Yes
Comments:	

Notes

Table: ASTATUTE_CITATION

Data Element Name:	Notes
Oracle Column Name:	NOTES
Description:	Additional description of the statute citation.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	User entered
Sources of Update:	User entered
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	



ALN_AREA_EVENT

Primary Key for ALN_AREA_EVENT:

Data Element Name

[EPA Handler ID](#)

[Event Code Owner](#)

[Event Code](#)

[Event Sequence Number](#)

[Event Responsible Agency](#)

[Event Activity Location](#)

[EPA Handler ID](#)

[Area Sequence Number](#)

Oracle Column Name

FK_AEVENTFK_HBASICHANDLER_ID

FK_AEVENTFK_LU_CA_EVENTOWNER

FK_AEVENTFK_LU_CA_EVENTCA_EVEN

FK_AEVENTEVENT_SEQ

FK_AEVENTRESPONSIBLE_AGENCY

FK_AEVENTACTIVITY_LOCATION

FK_AAREAFK_HBASICHANDLER_ID

FK_AAREAAREA_SEQ

Data Elements for ALN_AREA_EVENT:

Data Element Name

[User ID of Last Change](#)

[Date of Last Change](#)

Oracle Column Name

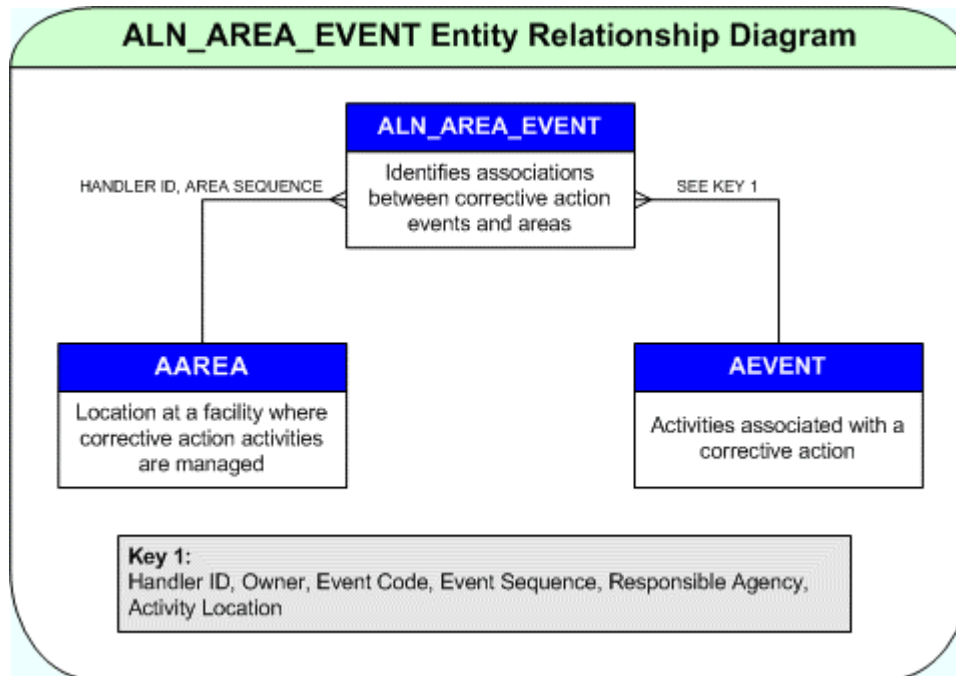
USERID

LAST_CHANGE

Relationships

Always IS_LINKED_BY One [AAREA](#)

Always LINKS_WITH One [AEVENT](#)



For the complete Corrective Action Entity Relationship Diagram, [click here](#).

EPA Handler ID

Table: ALN_AREA_EVENT

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_AEVENTFK_HBASICHANDLER_ID
Description:	Foreign key to FK_HBASICHANDLER_ID in AEVENT .
Comments:	

Event Code Owner

Table: ALN_AREA_EVENT

Data Element Name: Event Code Owner
Oracle Column Name: FK_AEVENTFK_LU_CA_EVENTOWNER
Description: Foreign key to [FK_LU_CA_EVENTOWNER in AEVENT](#).
Comments:

Event Code

Table: ALN_AREA_EVENT

Data Element Name: Event Code
Oracle Column Name: FK_AEVENTFK_LU_CA_EVENTCA_EVEN
Description: Foreign key to [FK_LU_CA_EVENTCA_EVENT_CODE in AEVENT](#).
Comments:

Event Sequence Number

Table: ALN_AREA_EVENT

Data Element Name: Event Sequence Number
Oracle Column Name: FK_AEVENTEVENT_SEQ
Description: Foreign key to [EVENT_SEQ in AEVENT](#).
Comments:

Event Responsible Agency

Table: ALN_AREA_EVENT

Data Element Name: Event Responsible Agency
Oracle Column Name: FK_AEVENTRESPONSIBLE_AGENCY
Description: Foreign key to [RESPONSIBLE_AGENCY in AEVENT](#).
Comments:

Event Activity Location

Table: ALN_AREA_EVENT

Data Element Name: Event Activity Location
Oracle Column Name: FK_AEVENTACTIVITY_LOCATION
Description: Foreign key to [ACTIVITY_LOCATION in AEVENT](#).
Comments:

EPA Handler ID

Table: ALN_AREA_EVENT

Data Element Name: EPA Handler ID
Oracle Column Name: FK_AAREAFK_HBASICHANDLER_ID
Description: Foreign key to [FK_HBASICHANDLER_ID in AAREA](#).
Comments:

Area Sequence Number

Table: ALN_AREA_EVENT

Data Element Name:	Area Sequence Number
Oracle Column Name:	FK_AAREAAREA_SEQ
Description:	Foreign key to AREA_SEQ in AAREA .
Comments:	

User ID of Last Change

Table: ALN_AREA_EVENT

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change**Table: ALN_AREA_EVENT**

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	



ALN_EVENT_AUTHORITY

Primary Key for ALN_EVENT_AUTHORITY:

Data Element Name	Oracle Column Name
EPA Handler ID	FK_AEVENTFK_HBASICHANDLER_ID
Authority Type Owner	FK_ACA_AUTHORITYFK_LU_AUTHOWNER
Authority Type	FK_ACA_AUTHORITYFK_LU_AUTHTYPE
Authority Effective Date	FK_ACA_AUTHORITYEFFECTIVE_DATE
Authority Responsible Agency	FK_ACA_AUTHORITYRESPONSIBLE_AGE
Authority Activity Location	FK_ACA_AUTHORITYACTIVITY_LOCATI
EPA Handler ID	FK_ACA_AUTHORITYFK_HBASICHANDLE
Event Code Owner	FK_AEVENTFK_LU_CA_EVENTOWNER
Event Code	FK_AEVENTFK_LU_CA_EVENTCA_EVEN
Event Sequence Number	FK_AEVENTEVENT_SEQ
Event Responsible Agency	FK_AEVENTRESPONSIBLE_AGENCY
Event Activity Location	FK_AEVENTACTIVITY_LOCATION

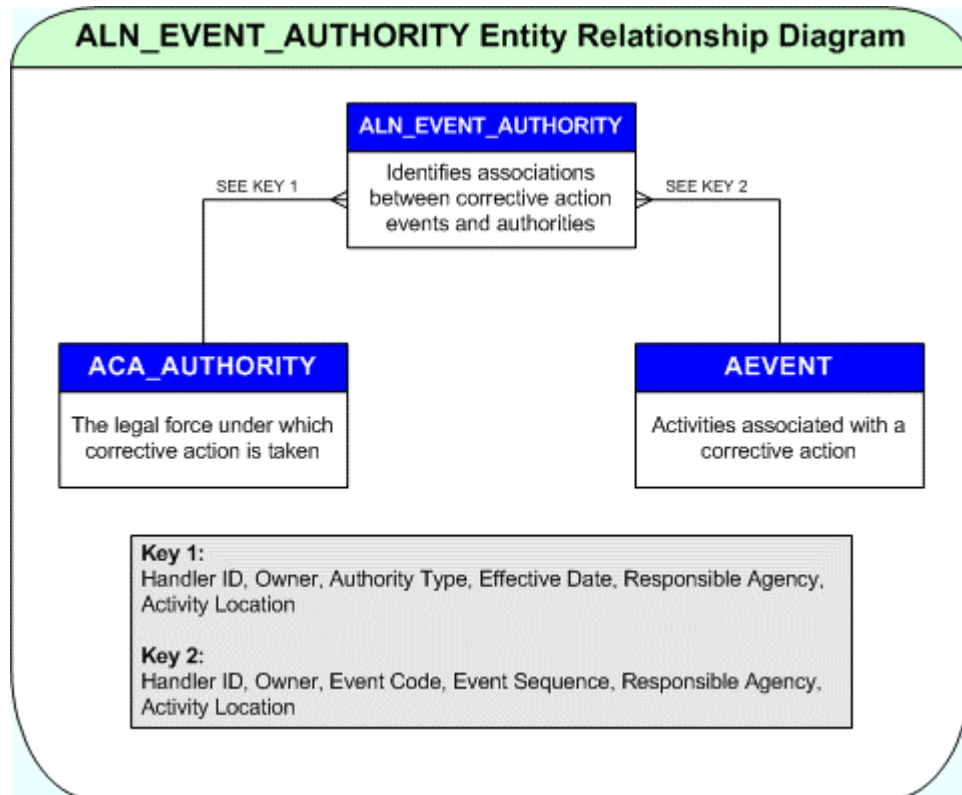
Data Elements for ALN_EVENT_AUTHORITY:

Data Element Name	Oracle Column Name
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE

Relationships

Always IS_LINKED_BY One [AEVENT](#)

Always LINKS_WITH One [ACA_AUTHORITY](#)



For the complete Corrective Action Entity Relationship Diagram, [click here](#).

EPA Handler ID

Table: ALN_EVENT_AUTHORITY

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_AAREAFK_HBASICHANDLER_ID
Description:	Foreign key to FK_HBASICHANDLER_ID in AAREA .
Comments:	

Authority Type Owner

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Authority Type Owner
Oracle Column Name:	FK_ACA_AUTHORITYFK_LU_AUTHOWNER
Description:	Foreign key to FK_LU_AUTHORITYOWNER in ACA_AUTHORITY .
Comments:	

Authority Type

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Authority Type
Oracle Column Name:	FK_ACA_AUTHORITYFK_LU_AUTHTYPE
Description:	Foreign key to FK_LU_AUTHORITYAUTHORITY_TYPE in ACA_AUTHORITY .
Comments:	

Authority Effective Date

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Authority Effective Date
Oracle Column Name:	FK_ACA_AUTHORITYEFFECTIVE_DATE
Description:	Foreign key to EFFECTIVE_DATE in ACA_AUTHORITY .
Comments:	

Authority Responsible Agency

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Authority Responsible Agency
Oracle Column Name:	FK_ACA_AUTHORITYRESPONSIBLE_AGE
Description:	Foreign key to RESPONSIBLE_AGENCY in ACA_AUTHORITY .
Comments:	

Authority Activity Location

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Authority Activity Location
Oracle Column Name:	FK_ACA_AUTHORITYACTIVITY_LOCATION
Description:	Foreign key to ACTIVITY_LOCATION in ACA_AUTHORITY .
Comments:	

EPA Handler ID

Table: ALN_EVENT_AUTHORITY

Data Element Name:	EPA Handler ID
Oracle Column Name:	FK_AEVENTFK_HBASICHANDLER_ID

Corrective Action DED

Description: Foreign key to [FK_HBASICHANDLER_ID in AEVENT](#).

Comments:

Event Code Owner

Table: ALN_EVENT_AUTHORITY

Data Element Name: Event Code Owner
Oracle Column Name: FK_AEVENTFK_LU_CA_EVENTOWNER
Description: Foreign key to [FK_LU_CA_EVENTOWNER in AEVENT](#).
Comments:

Event Code

Table: ALN_EVENT_AUTHORITY

Data Element Name: Event Code
Oracle Column Name: FK_AEVENTFK_LU_CA_EVENTCA_EVEN
Description: Foreign key to [FK_LU_CA_EVENTCA_EVENT_CODE in AEVENT](#).
Comments:

Event Sequence Number

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Event Sequence Number
Oracle Column Name:	FK_AEVENTEVENT_SEQ
Description:	Foreign key to EVENT_SEQ in AEVENT .
Comments:	

Event Responsible Agency

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Event Responsible Agency
Oracle Column Name:	FK_AEVENTRESPONSIBLE_AGENCY
Description:	Foreign key to RESPONSIBLE_AGENCY in AEVENT .
Comments:	

Event Activity Location

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Event Activity Location
Oracle Column Name:	FK_AEVENTACTIVITY_LOCATION
Description:	Foreign key to ACTIVITY_LOCATION in AEVENT .
Comments:	

User ID of Last Change

Table: ALN_EVENT_AUTHORITY

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: ALN_EVENT_AUTHORITY

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A

Nationally Required:	No
Released:	No
Comments:	



LU_AUTHORITY

Primary Key for LU_AUTHORITY:

Data Element Name	Oracle Column Name
Owner	OWNER
Authority Type	AUTHORITY_TYPE

Data Elements for LU_AUTHORITY:

Data Element Name	Oracle Column Name
Authority Type Usage	USAGE
Authority Type Active Status	ACTIVE_STATUS
Authority Type Description	AUTHORITY_DESC
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Help Notes	HELP_NOTES

Relationships

Sometimes REFERS_TO One or More [ACA_AUTHORITY](#)

Owner

Table: LU_AUTHORITY

Data Element Name: Owner

Corrective Action DED

Oracle Column Name:	OWNER
Description:	Indicates the agency that defines the authority.
Format:	CHAR(2)
Allowed Values:	HQ Nationally required
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Authority Type

Table: LU_AUTHORITY

Data Element Name:	Authority Type
Oracle Column Name:	AUTHORITY_TYPE
Description:	A code used to indicate whether a permit, administrative order, or other authority has been issued to implement the corrective action process.
Format:	CHAR(1)
Allowed Values:	Click here to see Nationally Defined Values
Default Value:	None
Implementer Defined Codes:	None
Comments:	

Authority Type Usage

Table: LU_AUTHORITY

Data Element Name:	Authority Usage
Oracle Column Name:	USAGE
Description:	Defines the intended use of the authority type, based

on three criteria:

- Nationally defined or Implementer defined code
- Nationally required (core) data
- Publicly releasable by HQ

Format:

Allowed Values:

CHAR(1)

Code	Description	Lookup Code Owner
1	Nationally defined Nationally required Routinely released	HQ
2	Nationally defined Nationally required Not routinely released	HQ
3	Nationally defined Not nationally required Routinely released	US
4	Nationally defined Not nationally required Not routinely released	US
5	Implementer defined Nationally required Routinely released	State or Region
6	Implementer defined Nationally required Not routinely released	State or Region
7	Implementer defined Not nationally required Routinely released	State or Region
8	Implementer defined Not nationally required Not routinely released	State or Region
0	Unknown	N/A

Default Value:

0 - Unknown

Implementer Defined Codes:

No

Comments:

Authority Type Active Status

Table: LU_AUTHORITY

Data Element Name:	Authority Type Active Status
Oracle Column Name:	ACTIVE_STATUS
Description:	Indicates whether the authority is currently applicable.
Format:	CHAR(1)
Allowed Values:	Y Yes N No
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Authority Type Description

Table: LU_AUTHORITY

Data Element Name:	Authority Type Description
Oracle Column Name:	AUTHORITY_DESC
Description:	English description of the authority type.
Format:	VARCHAR2(50)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	N/A
Comments:	

User ID of Last Change

Table: LU_AUTHORITY

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: LU_AUTHORITY

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A

Corrective Action DED

Nationally Required:	No
Released:	No
Comments:	

Help Notes

Table: LU_AUTHORITY

Data Element Name:	Help Notes
Oracle Column Name:	HELP_NOTES
Description:	Additional information regarding the authority type.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
Implementer Defined Codes:	N/A
Comments:	



Nationally Defined Values for Authority Type

Code	Description
A	Consent Order. An order issued by the Agency that is negotiated with a respondent. The terms of the order are discussed and agreed upon by both EPA and the respondent before the order is signed. A Consent Order has the same effect of a unilateral order, and therefore any violation of a consent order will result in an enforcement action.
C	Consent Decree
D	Judicial Decree. An order by the court to undertake some activity or pay a fine to the government for violating RCRA and/or its regulation. It is not the result of an administrative action. A judge may either approve a settlement proposed by the parties, or he/she can impose his/her own remedy.
I	Interim Status
J	Judicial Order
M	Permit Modification
N	Order Modification
O	Operating Permit
P	Post-Closure Permit
S	State Analogous. Actions implemented using a State non-RCRA/HSWA analogous authority.
U	Unilateral Order
V	Voluntary CA
X	Agency Policy/Procedure
Z	Other



LU_CA_EVENT

Primary Key for LU_CA_EVENT:

Data Element Name	Oracle Column Name
Owner	OWNER
Corrective Action Event Code	CA_EVENT_CODE

Data Elements for LU_CA_EVENT:

Data Element Name	Oracle Column Name
Corrective Action Event Usage	USAGE
Corrective Action Event Active Status	ACTIVE_STATUS
Corrective Action Event Description	CA_EVENT_DESC
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Help Notes	HELP_NOTES

Relationships

Sometimes REFERS_TO One or More [AEVENT](#)

Owner

Table: LU_CA_EVENT

Data Element Name:	Owner	
Oracle Column Name:	OWNER	
Description:	Indicates the agency that defines the corrective action event.	
Format:	CHAR(2)	
Allowed Values:	HQ	Nationally required
	US	Nationally defined
	01 - 10	Regions
	State postal code	
Default Value:	None	
Implementer Defined Codes:	No	
Comments:		

Corrective Action Event Code

Table: LU_CA_EVENT

Data Element Name:	Corrective Action Event Code
Oracle Column Name:	CA_EVENT_CODE
Description:	A code which corresponds to a specific event or event type. The first two characters indicate the event category and the last three characters the numeric event number.
Format:	VARCHAR2(7)
Allowed Values:	Click here to see Nationally Defined Values
Default Value:	None
Implementer Defined Codes:	Yes. Nationally defined events will end in 0 or 5 (except for 999 which is already nationally defined); codes terminating in 1-4 or 6-9 (except 999) are reserved for implementer-defined events.
Comments:	

Corrective Action Event Usage

Table: LU_CA_EVENT

Data Element Name:	Corrective Action Event Usage		
Oracle Column Name:	USAGE		
Description:	Defines the intended use of the corrective action event, based on three criteria: <ul style="list-style-type: none"> • Nationally defined or Implementer defined code • Nationally required (core) data • Publicly releasable by HQ 		
Format:	CHAR(1)		
Allowed Values:	Code	Description	Lookup Code Owner
	1	Nationally defined Nationally required Routinely released	HQ
	2	Nationally defined Nationally required Not routinely released	HQ
	3	Nationally defined Not nationally required Routinely released	US
	4	Nationally defined Not nationally required Not routinely released	US
	5	Implementer defined Nationally required Routinely released	State or Region
	6	Implementer defined Nationally required Not routinely released	State or Region
	7	Implementer defined Not nationally required Routinely released	State or Region
	8	Implementer defined	State or Region

	Not nationally required	
	Not routinely released	
	0	Unknown N/A
Default Value:	0 - Unknown	
Implementer Defined Codes:	No	
Comments:		

Corrective Action Event Active Status

Table: LU_CA_EVENT

Data Element Name:	Corrective Action Event Active Status	
Oracle Column Name:	ACTIVE_STATUS	
Description:	Indicates whether the corrective action event is currently applicable.	
Format:	CHAR(1)	
Allowed Values:	Y	Yes
	N	No
Default Value:	None	
Implementer Defined Codes:	No	
Comments:		

Corrective Action Event Description

Table: LU_CA_EVENT

Data Element Name:	Corrective Action Event Description	
Oracle Column Name:	CA_EVENT_DESC	
Description:	English description of the corrective action event.	

Corrective Action DED

Format:	VARCHAR2(80)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	N/A
Comments:	

User ID of Last Change

Table: LU_CA_EVENT

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: LU_CA_EVENT

Data Element Name:	Date of Last Change
--------------------	---------------------

Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Help Notes

Table: LU_CA_EVENT

Data Element Name:	Help Notes
Oracle Column Name:	HELP_NOTES
Description:	Additional information regarding the corrective action event.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
Implementer Defined Codes:	N/A
Comments:	



Nationally Defined Values for Corrective Action Event Code

Event	Status	Definition	Nationally Required
CA010		RFA Initiation	No
CA050		RFA Completed	Yes
	RF	Assessment was an RFA	
	PA	Assessment was a PA-Plus	
CA060		Notice of Contamination	Yes
CA070		Determination of Need for an RFI	Yes
	YE	RFI is necessary; should be entered when further investigation is needed.	
	NO	RFI is not necessary; should be entered when further investigation is not needed. "NO" may indicate that an RFI will not be needed at this site because remediation is not necessary.	
CA075		CA Prioritization	Yes
	HI	Facility or area was assigned a high corrective action priority	
	ME	Facility or area was assigned a medium corrective action priority	
	LO	Facility or area was assigned a low corrective action priority	
CA100		RFI Imposition	Yes
	DC	Focused data collection required for stabilization evaluation	
CA110		RFI Workplan Received	No
CA120		RFI Workplan Modification Requested by Agency	No
CA140		RFI Workplan Notice of Deficiency Issued	No
CA150		RFI Workplan Approved	Yes
CA155		RFI Supplemental Information Requested by Agency	No

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CA160		RFI Supplemental Information Received	No
CA170		RFI Supplemental Information Deemed Satisfactory	No
CA180		RFI Implementation Begun	No
CA190		RFI Report Received	No
CA195		FI Progress Reports Received	No
CA200		RFI Approved	Yes
CA210		CA Responsibility Referred to a Non-RCRA Federal Authority	Yes
	SF	Corrective Action at the facility or area referred to CERCLA	
	OT	Corrective Action referred to another non-RCRA Federal Authority.	
CA225		Stabilization Measures Evaluation	Yes
	YE	This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.	
	NF	This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.	
	IN	This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.	
	NR	This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.	
CA250		CMS Imposition	No
CA260		CMS Workplan Received	No
CA270		CMS Workplan Modification Requested by Agency	No
CA300		CMS Workplan Approved	Yes
CA305		CMS Supplemental Information Requested by Agency	No
CA310		CMS Supplemental Information Received	No
CA320		CMS Supplemental Information Deemed Satisfactory	No
CA330		CMS Implementation Begun	No

<u>CA340</u>		CMS Report Received	No
<u>CA345</u>		CMS Progress Reports Received	No
<u>CA350</u>		CMS Approved	Yes
<u>CA370</u>		Petition for no Further Action Receipt Date	No
<u>CA375</u>		Decision on Petition for no Further Action	No
<u>CA380</u>		Date for Public Notice on Proposed Remedy	No
<u>CA400</u>		Date for Remedy Selection (CM Imposed)	Yes
<u>CA410</u>		Date to Submit Remedy Design	No
<u>CA450</u>		Corrective Measures Design Approved	Yes
<u>CA460</u>		Cost Estimate for Remedy Received	No
<u>CA470</u>		Financial Assurance for Remedy Demonstration	No
<u>CA500</u>		CMI Workplan Approved	Yes
<u>CA510</u>		Determination of Technical Impracticability	Yes
<u>CA550</u>		Certification of Remedy Completion or Construction Completion	Yes
<u>CA600</u>		Stabilization Measures Implemented	Yes
	SR	Primary measure is source removal and / or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).	
	EC	Primary measure is exposure control by barrier and / or institutional control (e.g., capping, fencing, deed restrictions).	
	GW	Groundwater extraction and treatment (e.g., to achieve groundwater containment, to achieve MCL).	
	OT	Other Activity	
<u>CA650</u>		Stabilization Construction Completed	Yes
<u>CA725</u>		Human Exposures Controlled Determination	Yes
	IN	More information needed	
	NA	Previous determination no longer applicable as of this date	
	NC	No control measures necessary	
	NO	Facility does not meet definition	
	YE	Yes, applicable as of this date	

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<u>CA750</u>		Groundwater Releases Controlled Determination	Yes
	IN	More information needed	
	NA	Previous determination no longer applicable as of this date	
	NO	Facility does not meet definition	
	NR	No release to groundwater	
	YE	Yes, applicable as of this date	
<u>CA999</u>		Corrective Action Process Terminated	Yes
	NF	No further action	
	RM	Remedial activities completed	



National Details for Corrective Action Event Code

CA010 - RFA Initiation

Table: Corrective Action Event

Event Code Name:	CA010 - RFA INITIATION
Description:	The event by which the State or EPA starts to conduct an RFA. The result must include a determination as to whether or not to proceed with an RFI at the facility.
Initiating Sources:	
Nationally Required:	No
Schedule Date:	Date upon which a full or partial RFA is scheduled to be initiated by an agency.
Actual Date:	Date upon which a full or partial RFA is initiated by an agency as indicated on the first page of standardized reporting forms within the RFA document.
Responsible Agency:	EPA or State

CA050 - RFA Completed

Table: Corrective Action Event

Event Code Name:	CA050 - RFA COMPLETED
Description:	The event by which the RFA is completed.
	Status Codes:
	RF Assessment was an RFA.
	PA Assessment was a PA-Plus.
Initiating Sources:	Document with results of the RFA that determine if there is a

Corrective Action DED

	release or potential for release for the entire facility.
Nationally Required:	Yes
Schedule Date:	Date is scheduled to approve the result of the RFA.
Actual Date:	The date upon which there is enough information to determine if there is a release or potential for release for the entire facility is so documented. If no CA processing is necessary, Event Code 070, with a Status Code NO, which indicates that CA process is terminated, should be entered after Event Code CA050-RFA Completed.
Responsible Agency:	EPA or State

CA060 - Notice of Contamination

Table: Corrective Action Event

Event Code Name:	CA060 - NOTICE OF CONTAMINATION
Description:	Note: A condition of any permit or order should provide for this notice of contamination or release of hazardous constituents. Receipt by the Agency of written notification that contamination has been discovered at the RCRA facility and that the RCRA facility has notified all persons potentially impacted by the release of hazardous constituents. This event is a "floater."
Initiating Sources:	Facility Submission
Nationally Required:	Yes
Schedule Date:	N/A
Actual Date:	
Responsible Agency:	EPA or State

CA070 - RFA Determination Of Need For An RFI

Table: Corrective Action Event

Event Code Name: CA070 - DETERMINATION OF NEED FOR AN RFI

Description: This event indicates whether an RFI or further investigation is necessary to analyze the extent of contamination at this facility. An RFI is usually necessary when, after the initial assessment, there is evidence of or the likelihood of contamination release which poses a current or potential threat to human health and/or the environment. The event can be completed after the initial assessment (i.e. RFA or PA-Plus). A status code should be entered at the same time as the date of the event.

Status Codes:

YE RFI is Necessary; should be entered when further investigation is needed.

NO RFI is Not Necessary; should be entered when further investigation is not needed. "NO" may indicate that an RFI will not be needed at this site because remediation is not necessary.

Initiating Sources: Regional or State determination upon review of an initial facility assessment.

Nationally Required: Yes

Schedule Date: None

Actual Date: Date of determination

Responsible Agency: EPA or State

CA075 - CA Prioritization

Table: Corrective Action Event

Event Code Name: CA075 - CA PRIORITIZATION

Description: This event indicates that a facility or area has been prioritized using the National Corrective Action Prioritization System (NCAPS) or an equivalent system which has been approved by EPA Headquarters. A status code for the priority of the facility or area should be entered at the same time as the prioritization complete date. High, Medium, and Low

determinations should be based on current national guidance.

Status Codes:

- HI** Facility or area was assigned a high corrective action priority.
- ME** Facility or area was assigned a medium corrective action priority.
- LO** Facility or area was assigned a low corrective action priority.

Initiating Sources: The prioritization system results
Nationally Required: Yes
Schedule Date: Date prioritization is planned to be completed.
Actual Date: Date the facility has been given a priority through the use of NCAPS.
Responsible Agency: EPA Regions are responsible for completing facility prioritization and for entry of that data unless another agreement has been reached between a Region and its States.

Guidance:

EPA originally intended the NCAPS ranking to be a facility level ranking, but some Regions and States have found it useful to rank areas as well. Ranking for areas within a facility is not required. The corrective action program will count a facility as High NCAPS priority if one or more areas at the facility have a High NCAPS ranking as the most current ranking.

CA075, which tracks facility priority derived through the National Corrective Action Prioritization System (NCAPS), was originally intended to track one ranking of High, Medium or Low NCAPS priority for the entire facility. As facilities are re-ranked because of more current information, or because of some action which changes the priority, the RCRIS system has the capability to reflect successive NCAPS rankings, while not allowing the original NCAPS rank to be overwritten. [Note: NCAPS re-ranking of facilities/areas is not required.] This can be done by entering an additional NCAPS ranking with the new ranking date. Do not overwrite or erase the original ranking or subsequent ranking entries. This will enable us to have an historical record of facility priority, and to complete trend analyses. The most recent NCAPS ranking, by date, will be used for facility level data pulls.

CA100 - RFI Imposition

Table: Corrective Action Event

Event Code Name:	CA100 - RFI IMPOSITION
Description:	The event by which the State or EPA imposes an obligation (via an Enforcement order, permit or permit modification, voluntary instrument, or state analogous program) upon the owner/operator of a facility regulated by RCRA or the equivalent state law to conduct an RFI at a facility.
	Status Codes:
	DC Focused data collection required for stabilization evaluation.
Initiating Sources:	Enforcement order, permit or permit modification, voluntary instrument, or state analogous program.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign the Enforcement order, permit or permit modification, voluntary instrument, or state analogous document.
Actual Date:	Date the Director signs the enforcement order, permit or permit modification, voluntary instrument, or state analogous document.
Responsible Agency:	EPA or State

CA110 - RFI Workplan Received**Table: Corrective Action Event**

Event Code Name:	CA110 - RFI WORKPLAN RECEIVED
Description:	The event by which a RCRA facility submits an RFI workplan to the State or EPA.
Initiating Sources:	Facility submission
Nationally Required:	Yes
Schedule Date:	Due date is date in permit or order condition.
Actual Date:	Date RFI workplan is date-stamped "received" by the State or U.S. EPA.
Responsible Agency:	EPA or State

CA120 - RFI Workplan Modification Requested By Agency

Table: Corrective Action Event

Event Code Name:	CA120 - RFI WORKPLAN MODIFICATION REQUESTED BY AGENCY
Description:	The event by which the State or EPA requests that the RCRA facility modify its RFI workplan.
Initiating Sources:	Letter from the State or U.S. EPA to the facility.
Nationally Required:	No
Schedule Date:	None
Actual Date:	Date of letter

CA140 - RFI Workplan Notice Of Deficiency Issued

Table: Corrective Action Event

Event Code Name:	CA140 - RFI - WORKPLAN NOTICE OF DEFICIENCY ISSUED
Description:	The event by which the State or EPA issues a Notice of Deficiency to the Handler citing deficiencies in the proposed RFI Workplan.
Initiating Sources:	Notice of Deficiency from the EPA or State to the facility.
Nationally Required:	No
Schedule Date:	Date N.O.D. is scheduled to be sent to handler.
Actual Date:	Date of N.O.D.
Responsible Agency:	EPA or State

CA150 - RFI Workplan Approved

Table: Corrective Action Event

Event Code Name:	CA150 - RFI WORKPLAN APPROVED
Description:	The event by which the State or EPA approves the RFI workplan submitted by the RCRA facility.
Initiating Sources:	Letter from State or EPA approving the RFI plan prepared by a facility in response to an order, permit, or permit modification with a schedule of compliance imposing an RFI obligation upon the facility.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign the letter.
Actual Date:	Date the Director signs the letter.
Responsible Agency:	EPA or State

CA155 - RFI Supplemental Information Requested By Agency**Table: Corrective Action Event**

Event Code Name:	CA155 - RFI SUPPLEMENTAL INFORMATION REQUESTED BY AGENCY
Description:	The event by which the State or EPA requests information from the RCRA facility to modify, expand, amend, reexamine, or otherwise revisit the Workplan which had previously been approved but the report generated is not yet sufficient.
Initiating Sources:	
Nationally Required:	No
Schedule Date:	
Actual Date:	
Responsible Agency:	EPA or State

CA160 - RFI Supplemental Information Received

Table: Corrective Action Event

Event Code Name:	CA160 - RFI SUPPLEMENTAL INFORMATION RECEIVED
Description:	The event by which the RCRA facility submits supplemental RFI information.
Initiating Sources:	Facility submission
Nationally Required:	No
Schedule Date:	Due date is date in permit or order condition, permit or order modification, or letter from State or U.S. EPA requesting supplemental information.
Actual Date:	Date RFI supplemental information is date-stamped "received" by the State or U.S. EPA.
Responsible Agency:	EPA or State

CA170 - RFI Supplemental Information Deemed Satisfactory

Table: Corrective Action Event

Event Code Name:	CA170 - RFI SUPPLEMENTAL INFORMATION DEEMED SATISFACTORY
Description:	The event by which the State or EPA formally approves the RFI supplemental information.
Initiating Sources:	Letter from State or U.S. EPA approving the RFI supplemental information prepared by the facility.
Nationally Required:	No
Schedule Date:	Date the Director is expected to sign the letter.
Actual Date:	Date the Director signs the letter.
Responsible Agency:	EPA or State

CA180 - RFI Supplemental Implementation Begun

Table: Corrective Action Event

Event Code Name:	CA180 - RFI IMPLEMENTATION BEGUN
Description:	The event by which the RCRA facility committed to begin any implementation in its Agency approved RFI Workplan.
Initiating Sources:	Notification to State or U.S. EPA by facility, or on-site observation by State or U.S. EPA
Nationally Required:	No
Schedule Date:	Date in order or permit condition, or date facility is expected to begin implementation.
Actual Date:	Date of notification or observation.
Responsible Agency:	EPA or State

CA190 - RFI Report Received

Table: Corrective Action Event

Event Code Name:	CA190 - RFI REPORT RECEIVED
Description:	The event by which a RCRA facility submits a written summary of the results of the approved RFI Workplan.
Initiating Sources:	Report
Nationally Required:	No
Schedule Date:	Date in permit or order condition, or date facility is expected to submit report.
Actual Date:	Date report is received by State or U.S. EPA.
Responsible Agency:	EPA or State

CA195 - FI Progress Reports Received

Table: Corrective Action Event

Event Code Name:	CA195 - FI PROGRESS REPORTS RECEIVED
Description:	Receipt of reports submitted by the RCRA facility to the State or EPA during execution of the approved RFI workplan. This

Corrective Action DED

event is a "floater."
Initiating Sources: Reports
Nationally Required: No
Schedule Date: Dates in permit or order conditions.
Actual Date: Dates reports are received by State or U.S. EPA.
Responsible Agency: EPA or State

CA200 - RFI Approved

Table: Corrective Action Event

Event Code Name:	CA200 - RFI APPROVED
Description:	The event by which the State or EPA accepts the findings and recommendations of the RFI report submitted by the RCRA facility. No entry should be made under this code until the RFI enables a formal agency decision to continue with CMS or terminate the corrective action process.
Initiating Sources:	Letter from the State or EPA notifying the facility of the result of the RFI.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign the letter.
Actual Date:	Date the Director signs the letter.
Responsible Agency:	EPA or State

CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority

Table: Corrective Action Event

Event Code Name:	CA210 - CA RESPONSIBILITY REFERRED TO A NON-RCRA FEDERAL AUTHORITY
Description:	The facility or area has been referred to CERCLA or some other Federal Non-RCRA authority. This does not imply that

the RCRA program would lack the authority to go back to a RCRA facility that had been addressed under CERCLA or other non-RCRA Federal authority. It means that, as a matter of program policy, once a facility is referred CERCLA or other non-RCRA Federal authority, we would not actively monitor the progress of the facility and would not expect the facility to "return" to RCRA, barring some unforeseen event.

Status Codes:

SF Corrective Action at the facility or area referred to CERCLA.

OT Corrective Action referred to another non-RCRA Federal Authority.

Initiating Sources:	Agency determination
Nationally Required:	Yes
Schedule Date:	None
Actual Date:	Date the Agency determines that corrective action at the facility or area has been referred to CERCLA or some other Federal Non-RCRA authority.
Responsible Agency:	EPA
Guidance:	

The national RCRA CA program does not expect to continue keeping track of the remedial events that have been completed once a facility has been referred to Superfund. That is not to say that the RCRA program would lack the authority to go back to a RCRA facility that had been addressed under CERCLA and request additional work. However, as a matter of program policy, once a facility is referred to CERCLA, we would not actively monitor the progress of the facility and would not expect the facility to "return" to RCRA, barring some unforeseen event.

This event should not be used for facilities that are only receiving an initial assessment (PA plus) from the Superfund program, but are expected to return to the RCRA program for the facility investigation and facility remediation steps. However, if a RCRA facility, such as one that has converted to less than 90-day storage, has, as a matter of national policy, been deferred to the Superfund program and if, in the case specific circumstance, the Region or authorized state has clearly transferred this facility to the Superfund queue, then the "Referred to a Non-RCRA Federal Authority" event could be entered for these facilities.

Note: Regions and States are responsible for cleaning up old CA210 data. All reports for CA210 must use the status codes to insure that the correct information is pulled for the current definition of CA210. In cases where there is old no further action data, refer to the new CA999 status code, NF.

CA225 - Stabilization Measures Evaluation

Table: Corrective Action Event

Event Code Name:	CA225 - STABILIZATION MEASURES EVALUATION
Description:	This event indicates that the feasibility and appropriateness of stabilization activities at this facility have been evaluated. This evaluation should be completed using the National Corrective Action Stabilization Questionnaire or a similar type of evaluation which asks the same range of questions. A status code should be entered for the areas covered by each evaluation. The status codes are consistent with the possible outcomes from the National Corrective Action Stabilization Questionnaire.

Status Codes:

- | | |
|-----------|---|
| YE | This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations. |
| NF | This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate. |
| IN | This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available. |
| NR | This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations. |

Initiating Sources:	The completed National Corrective Action Stabilization
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	Questionnaire or similar review.
Nationally Required:	Yes
Schedule Date:	Date facility is expected to be evaluated for stabilization measure.
Actual Date:	The date the completed National Corrective Action Stabilization Questionnaire or documentation of a similar review is entered into the facility file.
Responsible Agency:	EPA or State authorized for corrective action
Guidance:	

Stabilizations can be entered for the entire facility, or for certain areas at the facility.

CA250 - CMS Imposition

Table: Corrective Action Event

Event Code Name:	CA250 - CMS IMPOSITION
Description:	The event by which the State or EPA formally imposes the obligation upon a RCRA facility to perform a Corrective Measures Study (CMS).
Initiating Sources:	Compliance Schedule or permit schedule of compliance.
Nationally Required:	No
Schedule Date:	Date the Director is expected to sign the order, permit, or permit modification imposing the CMS requirement.
Actual Date:	Date the Director signs the enforcement order, permit, or permit modification imposing the CMS requirement.
Responsible Agency:	EPA or State

CA260 - CMS Workplan Received

Table: Corrective Action Event

Corrective Action DED

Event Code Name:	CA260 - CMS WORKPLAN RECEIVED
Description:	The event by which a RCRA facility submits a CMS workplan to the State or EPA.
Initiating Sources:	Facility submission
Nationally Required:	No
Schedule Date:	Due date is in permit or order condition.
Actual Date:	Date CMS workplan is date-stamped "received" by the State or U.S. EPA.
Responsible Agency:	EPA or State

CA270 - CMS Workplan Modification Requested By Agency

Table: Corrective Action Event

Event Code Name:	CA270 - CMS WORKPLAN MODIFICATION REQUESTED BY AGENCY
Description:	The event by which the State or EPA formally requests that the RCRA facility modify its CMS workplan.
Initiating Sources:	Letter from the State or U.S. EPA
Nationally Required:	No
Schedule Date:	None
Actual Date:	Date of letter
Responsible Agency:	EPA or State

CA300 - CMS Workplan Approved

Table: Corrective Action Event

Event Code Name:	CA300 - CMS WORKPLAN APPROVED
Description:	The event by which the State or EPA formally approves the CMS plan submitted by the RCRA facility. No entry should be made under this code until the Agency intends for the RCRA facility to begin conducting the CMS.

Initiating Sources:	Letter from State or EPA approving the CMS plan prepared by a facility in response to an order, permit, or permit modification with a schedule of compliance imposing a CMS obligation upon the facility.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign the letter.
Actual Date:	Date the Director signs the letter.
Responsible Agency:	EPA or State

CA305 - CMS Supplemental Information Requested By Agency

Table: Corrective Action Event

Event Code Name:	CA305 - CMS SUPPLEMENTAL INFORMATION REQUESTED BY AGENCY
Description:	The event by which the State or EPA requests the RCRA facility to modify, amend, revisit, reexamine, or re-conduct its approved CMS.
Initiating Sources:	
Nationally Required:	No
Schedule Date:	
Actual Date:	
Responsible Agency:	EPA or State

CA310 - CMS Supplemental Information Received

Table: Corrective Action Event

Event Code Name:	CA310 - CMS SUPPLEMENTAL INFORMATION RECEIVED
Description:	The event by which the RCRA facility submits an amendment, modification, clarification, or other supplemental information regarding the CMS.

Corrective Action DED

Initiating Sources:	Facility submission
Nationally Required:	No
Schedule Date:	Due date is date in permit or order condition, permit or order modification, or letter from State or U.S. EPA requesting supplement.
Actual Date:	Date CMS supplemental workplan is date stamped "received" by the State or U.S. EPA.
Responsible Agency:	EPA or State

CA320 - CMS Supplemental Information Deemed Satisfactory

Table: Corrective Action Event

Event Code Name:	CA320 - CMS SUPPLEMENTAL INFORMATION DEEMED SATISFACTORY
Description:	The event by which the State or EPA formally approves the CMS supplemental information.
Initiating Sources:	Letter from State or U.S. EPA approving the CMS supplemental information prepared by a facility.
Nationally Required:	No
Schedule Date:	Date the Director is expected to sign the letter.
Actual Date:	Date the Director signs the letter.
Responsible Agency:	EPA or State

CA330 - CMS Implementation Begun

Table: Corrective Action Event

Event Code Name:	CA330 - CMS IMPLEMENTATION BEGUN
Description:	The event by which a RCRA facility committed to any implementation in its agency approved CMS Workplan.
Initiating Sources:	Notification to State or U.S. EPA by facility or on-site observation by State or U.S. EPA.

Nationally Required:	No
Schedule Date:	Date in permit or order condition, or date facility is expected to begin implementation.
Actual Date:	Date report is received by State or U.S. EPA.
Responsible Agency:	EPA or State

CA340 - CMS Report Received

Table: Corrective Action Event

Event Code Name:	CA340 - CMS REPORT RECEIVED
Description:	The event by which a RCRA facility submits a written summary of the results of the approved CMS workplan.
Initiating Sources:	Report
Nationally Required:	No
Schedule Date:	Date in permit or order condition, or date facility is expected to submit report.
Actual Date:	Date report is received by State or U.S. EPA.
Responsible Agency:	EPA or State

CA345 - CMS Progress Reports Received

Table: Corrective Action Event

Event Code Name:	CA345 - CMS PROGRESS REPORTS RECEIVED
Description:	Receipt of reports submitted by the RCRA facility to State or EPA during execution of the approved CMS workplan. This event is a "floater."
Initiating Sources:	Reports
Nationally Required:	No
Schedule Date:	Dates in permit or order conditions.
Actual Date:	Dates reports are received by State or U.S. EPA.

Responsible Agency: EPA or State

CA350 - CMS Approved

Table: Corrective Action Event

Event Code Name:	CA350 - CMS APPROVED
Description:	The event by which the State or EPA approves the final CMS report submitted by the RCRA facility. No entry should be made under this code until sufficient data, information, has been provided to the Agency so that a decision to continue or terminate the corrective action process can be made.
Initiating Sources:	Letter from State or EPA approving the final CMS plan prepared by a facility in response to an order, permit, or permit modification with a schedule of compliance imposing a CMS obligation upon the facility.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign the letter.
Actual Date:	Date the Director signs the letter.
Responsible Agency:	EPA or State

CA370 - Petition For No Further Action Receipt Date

Table: Corrective Action Event

Event Code Name:	CA370 - PETITION FOR NO FURTHER ACTION RECEIPT DATE
Description:	Receipt by the Agency of a permit modification requested by the RCRA facility to eliminate any remaining corrective action steps which are included as conditions in the RCRA facility's permit. This event is a "floater."
Initiating Sources:	

Nationally Required: No
 Schedule Date:
 Actual Date:
 Responsible Agency: EPA or State

CA375 - Decision On Petition For No Further Action

Table: Corrective Action Event

Event Code Name:	CA375 - DECISION ON PETITION FOR NO FURTHER ACTION
Description:	The event by which the State or EPA formally approves the petition by the RCRA facility for no further action.
Initiating Sources:	
Nationally Required:	No
Schedule Date:	
Actual Date:	
Responsible Agency:	EPA or State

CA380 - Date For Public Notice On Proposed Remedy

Table: Corrective Action Event

Event Code Name:	CA380 - DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY
Description:	The event by which the State or EPA sends public notice that a proposed remedy has been tentatively selected for a RCRA facility. The public notice should specify where the documents upon which the Agency made its decision are located and when they are available for public review.
Initiating Sources:	
Nationally Required:	No
Schedule Date:	

Actual Date:

Responsible Agency: EPA or State

CA400 - Date For Remedy Selection (CM Imposed)

Table: Corrective Action Event

Event Code Name:	CA400 - DATE FOR REMEDY SELECTION (CM IMPOSED)
Description:	The event that the State or EPA formally notifies the RCRA facility to initiate the corrective measure that has been proposed in the notification process and is hereby incorporated into the RCRA facility's permit or order.
Initiating Sources:	Permit, permit modification, or enforcement order specifying the corrective measures remedy for a facility or a letter from the Director to the facility owner/operator approving the corrective measures remedy selected by the facility in response to a permit, permit modification, or enforcement order requiring the facility to select a remedy or a decision based on the results of an RFI that further corrective measures are not necessary.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to approve the RFI document showing no need for corrective measures or the date the facility is expected to be directed to initiate a corrective measures program under a final order or permit.
Actual Date:	Date the permit, permit modification, or enforcement order is issued specifying the corrective measures remedy or the date a letter to the facility is signed by the Director approving the corrective measures remedy selected in response to a permit, permit modification or enforcement order, or the date a letter is signed by the Director to the facility owner/operator indicating that further corrective measures are not necessary.
Responsible Agency:	EPA or State

CA410 - Date To Submit Remedy Design

Table: Corrective Action Event

Event Code Name:	CA410 - DATE TO SUBMIT REMEDY DESIGN
Description:	The event that the RCRA facility submits complete, detailed design drawings of the remedy and its corresponding implementation schedule.
Initiating Sources:	
Nationally Required:	No
Schedule Date:	
Actual Date:	
Responsible Agency:	EPA or State

CA450 - Corrective Measures Design Approved

Table: Corrective Action Event

Event Code Name:	CA450 - CORRECTIVE MEASURES DESIGN APPROVED
Description:	The event by which the State or EPA formally notifies the RCRA facility that the design of the corrective measure is acceptable.
Initiating Sources:	Enforcement order, permit, or permit modification containing the corrective measures design for the facility, or a letter from the Director to the facility owner/operator approving the design prepared in response to a schedule of compliance in a permit, permit modification or enforcement order requiring the facility to prepare a corrective measures design.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign approval of the corrective measures design.
Actual Date:	Date the permit, permit modification or enforcement order containing the corrective measures design is issued or the date the Director signs a letter to the facility owner/operator approving the corrective measures design prepared in response to schedule of compliance in a permit, permit

modification or enforcement order.
Responsible Agency: EPA or State

CA460 - Cost Estimate For Remedy Received

Table: Corrective Action Event

Event Code Name:	CA460 - COST ESTIMATE FOR REMEDY RECEIVED
Description:	The event by which EPA or State receives a cost estimate for completing the remedy that the RCRA facility must implement.
Initiating Sources:	Written estimate submitted by the facility.
Nationally Required:	No
Schedule Date:	Date in permit or order condition, or date facility is expected to submit estimate to State or U.S. EPA.
Actual Date:	Date written estimate is received by the State or U.S. EPA.
Responsible Agency:	EPA or State

CA470 - Financial Assurance For Remedy Demonstration

Table: Corrective Action Event

Event Code Name:	CA470 - FINANCIAL ASSURANCE FOR REMEDY DEMONSTRATION
Description:	Demonstration by the RCRA facility that it has established the appropriate financial assurance to complete the remedy.
Initiating Sources:	Written demonstration of financial assurance submitted by the facility.
Nationally Required:	No
Schedule Date:	Date in permit or order condition, or date facility is expected to submit demonstration to the State or U.S. EPA.
Actual Date:	Date written demonstration is received by the State or U.S. EPA.

Responsible Agency: EPA or State

CA500 - CMI Workplan Approved

Table: Corrective Action Event

Event Code Name:	CA500 - CMI WORKPLAN APPROVED
Description:	The event by which the State or EPA approves the Corrective Measure Implementation Program Plan, Construction Plans and Specification, Design Reports, Cost Estimates, Project Schedule, Operation and Maintenance Plan, Study Reports, Construction Quality Assurance Program Plan/Documentation and the Corrective Measure Implementation Report incorporating comments received on draft submissions.
Initiating Sources:	
Nationally Required:	Yes
Schedule Date:	
Actual Date:	Date signed by Director.
Responsible Agency:	EPA or State

CA510 - Determination Of Technical Impracticability

Table: Corrective Action Event

Event Code Name:	CA510 - DETERMINATION OF TECHNICAL IMPRACTICABILITY
Description:	The event by which the State or EPA formally notifies the RCRA facility that the selected remedy cannot be accomplished because it is technically impracticable.
Initiating Sources:	
Nationally Required:	Yes
Schedule Date:	

Actual Date:

Responsible Agency: EPA or State

CA550 - Certification Of Remedy Completion Or Construction Completion

Table: Corrective Action Event

Event Code Name:	CA550 - CERTIFICATION OF REMEDY COMPLETION OR CONSTRUCTION COMPLETION
Description:	The event by which the State or EPA formally notifies the RCRA facility that it accepts its certification that the remedy specifications in the permit or order have been met, and that the specified remedy or remedies has been completed, and/or operation and maintenance requirements only remain in order to maintain this level of performance.
Initiating Sources:	Written acknowledgement, placed in the facility file, stating that the projected activity has been completed.
Nationally Required:	Yes
Schedule Date:	Date the activity is determined to be completed.
Actual Date:	Date the Director signs the final order, permit, or written acknowledgement.
Responsible Agency:	EPA or State
Guidance:	

Data entered previously for this event will generally not need to be changed. Since the previous definition covered CMI completed it has been assumed that this data will, if anything, represent actions that are "more complete" than those that may be entered under this revised definition.

CA600 - Stabilization Measures Implemented

Table: Corrective Action Event

Event Code Name: CA600 - STABILIZATION MEASURES IMPLEMENTED

Description: EPA's or the State's notification or written acknowledgement to the RCRA facility that a stabilization activity or activities are required or otherwise being undertaken. The notification mechanism could be an Enforcement order, order modification, permit, or permit modification or similar enforceable state authority requiring the facility to undertake stabilization activity; it may also take the form of a written acknowledgement from EPA or the State that stabilization activity is being undertaken. The notification or acknowledgement must contain written stabilization objectives, goals, performance standards, or desired results. The stabilization activity must control or abate threats to human health and/or the environment from releases, and/or prevent or minimize the further spread of contamination.

Note: from 10/25/91 RCRA stabilization strategy, overall goal of stabilization.

Status Codes:

- SR** Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
- EC** Primary measure is exposure control by barrier and/or institutional control (e.g., capping, fencing, deed restrictions).
- GW** Groundwater extraction and treatment (e.g., to achieve groundwater containment, to achieve MCL).
- OT** Other Activity

Note: More than one status code may be entered for the same area.

Note: These status codes are different from the current status codes in CA600. The FA and FI codes will now be shown on the implementer level only. Although Regions and authorized States are not required to update the RCRIS database by entering new status code values for facilities which had a CA600 before the beginning of FY 1994, such data improvements are strongly encouraged.

Initiating Sources: Enforcement order, order modification, permit, permit modification, similar enforceable state authority requiring the facility to undertake stabilization activity, or written

	acknowledgement from the EPA Region that stabilization activity is being undertaken.
Nationally Required:	Yes
Schedule Date:	Date the Director is expected to sign the final order, order modification, permit, permit modification, or written acknowledgement.
Actual Date:	Date the Director signs the final order, order modification, permit, permit modification, or written acknowledgement.
Responsible Agency:	EPA or State
Guidance:	The status codes for this event provide information on the types of stabilization actions that are being implemented. This information is routinely requested in Congressional inquiries and will be helpful to Headquarters in characterizing national implementation efforts.

CA650 - Stabilization Construction Completed

Table: Corrective Action Event

Event Code Name:	CA650 - STABILIZATION CONSTRUCTION COMPLETED
Description:	The event by which the State or EPA formally notifies the RCRA facility that the interim measures undertaken have been completed to the satisfaction of the Agency; and/or the event by which the State or EPA formally notifies the RCRA facility that stabilization objectives have been met, but require continued operation and maintenance to maintain this level of performance.
Initiating Sources:	Letter from the EPA or the State Director to the facility or an internal written memorandum acknowledging stabilization completion and/or construction completion--conducted through a final order, order modification, permit, permit modification, or written acknowledgement of that the activity has occurred from EPA or the State--transmitted within the government to the facility file.
Nationally Required:	Yes
Schedule Date:	Date the activity is expected to be completed.
Actual Date:	Date the activity is completed.

Responsible Agency: EPA or State
 Guidance:

The proposed change to CA650 involves a refinement as to what stabilization completed should mean for the CA program. It was recommended that the corrective action program take credit nationally for stabilization efforts that are clearly completed, such as excavations, but also for those efforts that are performing to meet the Agency's stabilization objectives, yet require continued operation and maintenance to maintain this level of performance. As a result of this recommendation, the definition for CA650 has been updated to incorporate these concepts.

The new definition allows "credit" once EPA or the State provides a written determination that the stabilization activity at a facility is completed in a manner that meets the stabilization objectives, goals, performance standards, or desired results. For example, an excavation is completed once the contaminated material has been removed in accordance with the objective of the stabilization measure. An additional example is a groundwater stabilization measure in which a pump and treat system has been constructed and is operating in a manner which achieves the stabilization objective even though continued operation and maintenance is necessary to maintain this level of performance.

Data entered previously for this event will generally not need to be changed. Since the previous definition covered stabilization completed it has been assumed that this data will, if anything, represent actions that are "more complete" than those that may be entered under this revised definition.

CA725 - Current Human Exposures Under Control

Table: Corrective Action Event

Event Code Name:	CA725 - CURRENT HUMAN EXPOSURES UNDER CONTROL
Description:	Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated

groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

A positive “Current Human Exposures Under Control” EI determination (“YE” status code) indicates that there are no “unacceptable” human exposures to “contamination” (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all “contamination” subject to RCRA corrective action at or from the identified facility [i.e., site-wide]).

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The “Current Human Exposures Under Control” EI are for reasonably expected human exposures under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program’s overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

EI determinations must be reevaluated when the Agency/State becomes aware of significant changes at the facility.

Status Codes:

IN More information is needed to make a determination.

NA Effective 2/5/1999 per revised program guidance: This code for “Previous determination no longer applicable as of this date” should no longer be used. Previously entered **NA** status codes should be updated, but may remain in the database until they are replaced by more recent codes.

YE Yes, **Current Human Exposures Under Control** has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Initiating Sources: **Documentation Of Environmental Indicator Determination** form signed by preparer and his/her supervisor. Signed hardcopies of the form should reside in the administrative file for the facility. These forms should also be kept in electronic format that can be posted on an "EI database" web site developed by the Office of Solid Waste. The web site for completed forms is currently under development. However, blank EI guidance forms are available at www.epa.gov/epaoswer/osw.

Nationally Required: Yes, data for this event will be accessible by Headquarters.

Schedule Date: Date this event is anticipated.

Actual Date: Date that the EPA or State documents that the facility has achieved the event, or that the event determination is no longer applicable.

Responsible Agency: EPA or State

Guidance:

The RCRA corrective action program and achievement of its Government Performance Results Act (GPRA) goals are of highest priority for the national RCRA program. The RCRA program is using two Environmental Indicators (EI) to measure program performance for GPRA purposes: (1) Current Human Exposures Under Control (CA725), and (2) Migration of Contaminated Groundwater Under Control (CA750).

On 2/5/1999 revised interim-final guidance for RCRA Corrective Action Environmental Indicators was issued which replaces the EI guidance promulgated in 1994 and 1995. This will remain the working guidance for at least one year. The interim-final guidance is similar to the earlier guidance but has been modified to facilitate more consistent determinations (across regions and states) and to be more explicit with regard to the minimum level of documentation required to ensure that the determinations will be verifiable. The guidance was developed with the cooperation and input of representatives from all ten EPA regions and at least one state from each region.

The guidance is in the form of questions to be answered in making an EI determination. The question and answer options express the minimum criteria for EI determination and are not to be modified for regional, state or site-specific

conditions. Standard forms/worksheets entitled **Documentation of Environmental Indicator Determination** were developed for CA725 and CA750 which will assist regions and states in making EI determinations and at the same time, formally document the determination process. Signed hardcopies of the forms should reside in the administrative file for the facility. These forms should also be kept in electronic format that can be posted on an “EI database” web site developed by the Office of Solid Waste. The web site for completed forms is currently under development. However, blank EI guidance forms are available for downloading at <http://www.epa.gov/epaoswer/hazwaste/ca/eis.htm>.

Note: A summary of guidance contained on the form for CA725 – Current Human Exposures Under Control follows. This text is largely from the 2/5/99 Interim-Final EI guidance; however, the text has been summarized and slightly modified to fit the format of the RCRIS Data Element Dictionary. EI determinations should not be made based solely on this DED text, and should be based on the full text of the 2/5/99 Interim-Final EI guidance.

The Human Exposures EI is a qualitative screening of exposures and the determinations made should not be used as the sole basis for restricting the scope of more detailed (e.g., site-specific) assessments of risk.

1. First, has **all** available relevant/significant information on known and reasonably suspected releases to soil, groundwater, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units [SWMU], Regulated Units [RU], and Areas of Concern [AOC]), been **considered** in this EI determination?
 - If yes, proceed to step 2.
 - If no, reevaluate existing data.
 - If data are not available, skip to step 6 and indicate “IN” (more information needed) status code.
2. Second, are groundwater, indoor air¹, surface soil (e.g., <2 ft), surface water, sediment, subsurface soil (e.g. >2 ft) or outdoor air **media** known or reasonably suspected to be “**contaminated**”² above appropriately protective risk-based “levels” (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?
 - If yes (for any media), proceed to step 3 after identifying key contaminants in each “contaminated” medium, citing appropriate “levels” (or provide an explanation for the determination that the medium could pose an unacceptable risk), and referencing supporting documentation.

-- If no (for all media), skip to step 6, and indicate “YE,” status code after providing or citing appropriate “levels,” and referencing sufficient supporting documentation demonstrating that these “levels” are not exceeded.

-- If unknown (for any media), skip to step 6 and indicate “IN” status code.

Footnotes for Step 2:

¹Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggest that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above [and adjacent to] groundwater with volatile contaminants) does not present unacceptable risks.

² “Contamination” and “contaminated” describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based “levels” (for the media, that identify risks within the acceptable risk range).

3. Third, are there **complete pathways** between “contamination” and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

For each “contaminated” media (groundwater, indoor air, surface soil, surface water, sediment, subsurface soil), evaluate potential *Human Receptors* under current conditions (residents, workers, day care, construction, trespassers, recreation, food³). Determine “yes” or “no” for potential “completeness” under each “Contaminated” Media -- Human Receptor combination (Pathway). Use Summary Pathway Evaluation Table provided on EI Determination form.

-- If yes (pathways are complete for any “Contaminated” Media - Human Receptor combination), proceed to step 4 after providing supporting explanation.

-- If no (pathways are not complete for any contaminated media-receptor combination), skip to step 6, and indicate “YE” status code, after explaining and/or referencing condition(s) in-place, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium.

-- If unknown (for any “Contaminated” Media - Human Receptor combination), skip to step 6 and indicate “IN” status code.

Footnote for Step 3:

³Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)

4. Fourth, can the **exposures** from any of the complete pathways identified in step 3 be reasonably expected to be “**significant**”⁴ (i.e., potentially “unacceptable” because exposures can be reasonably expected to be: 1) greater in magnitude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable “levels” (used to identify the “contamination”); or 2) the combination of exposure magnitude (perhaps even though low) and contaminant concentrations (which may be substantially above the acceptable “levels”) could result in greater than acceptable risks)?

-- If yes (exposures could be reasonably expected to be “significant” (i.e., potentially “unacceptable”) for any complete exposure pathway), continue to step 5 after providing a description (of each potentially “unacceptable” exposure pathway) and explaining and/or referencing documentation justifying why the exposures (from each of the remaining complete pathways) to “contamination” (identified in step 3) are not expected to be “significant.”

-- If no (exposures can not be reasonably expected to be significant (i.e., potentially “unacceptable”) for any complete exposure pathway), skip to step 6 and indicate “YE” status code after explaining and/or referencing documentation justifying why the exposures (from each of the complete pathways) to “contamination” (identified in step 3) are not expected to be “significant.”

-- If unknown (for any complete pathway), skip to step 6 and indicate “IN” status code.

Footnote for Step 4:

⁴If there is any question on whether the identified exposures are “significant” (i.e., potentially “unacceptable”) consult a human health Risk Assessment specialist with appropriate education, training and experience.

5. Fifth, can the “significant” **exposures** (identified in #4) be shown to be within **acceptable** limits?

-- If yes (all “significant” exposures have been shown to be within acceptable limits), continue to step 6 and indicate “YE” after summarizing and referencing documentation justifying why all “significant” exposures to “contamination” are within acceptable limits (e.g., a site-specific Human Health Risk Assessment).

-- If no (there are current exposures that can be reasonably expected to be “unacceptable”), continue to step 6 and indicate “NO” status code after providing a description of each potentially “unacceptable” exposure.

-- If unknown (for any potentially “unacceptable” exposure), continue to step 6 and indicate “IN” status code.

6. Sixth, check the appropriate RCRIS status codes for the Current Human Exposures Under Control EI event code (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination form (and attach appropriate supporting documentation as well as a map of the facility). Proceed to step 7.

-- YE - Yes, “Current Human Exposures Under Control” has been verified. Based on a review of the information contained in this EI Determination, “Current Human Exposures” are expected to be “Under Control” at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

-- NO - “Current Human Exposures” are NOT “Under Control.”

-- IN - More information is needed to make a determination.

7. Seventh, ensure that RCRIS is updated. When entering a new status code or changing a previous determination (e.g., IN to YE), a new CA725 event record with the new date should be used instead of overwriting the old status code and the associated date in order to maintain an event history for the facility.

The Environmental Indicator event codes are “legitimate orphans” in RCRIS because they are considered facility-wide events. This means that the event should not be linked to an authority or an area. National reports will only pull unlinked EI data.

CA750 - Groundwater Releases Controlled Determination

Table: Corrective Action Event

Event Code Name:	CA750 - MIGRATION OF CONTAMINATED GROUNDWATER UNDER CONTROL
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Description:

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

A positive “Migration of Contaminated Groundwater Under Control” EI determination (“YE” status code) indicates that the migration of “contaminated” groundwater has stabilized, and that monitoring will be conducted to confirm that contaminated groundwater remains within the original “area of contaminated groundwater” (for all groundwater “contamination” subject to RCRA corrective action at or from the identified facility [i.e., site-wide]). While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The “Migration of Contaminated Groundwater Under Control” EI pertains ONLY to the physical migration (i.e., further spread) of contaminated ground water and contaminants within groundwater (e.g., non-aqueous phase liquids or NAPLs). Achieving this EI does not substitute for achieving other stabilization or final remedy requirements and expectations associated with sources of contamination and the need to restore, wherever practicable, contaminated groundwater to be suitable for its designated current and future uses.

EI determinations must be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Status Codes:

- | | |
|-----------|--|
| IN | More information is needed to make a determination. |
| NA | Effective 2/5/1999 per revised program guidance: This code for “Previous determination no longer applicable as of this date” should no longer be used. Previously entered NA status codes should be updated, but may remain in the database until they are replaced by more recent codes. |

- NO** Unacceptable migration of contaminated groundwater is observed or expected.
- NR** Effective 2/5/1999 per revised program guidance: This code for “No release to groundwater” should no longer be used. Previously entered **NR** status codes should be updated, but may remain in the database until they are replaced by more recent codes.
- YE** Yes, **Migration of Contaminated Groundwater Under Control** has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Initiating Sources: **Documentation Of Environmental Indicator Determination** form signed by preparer and his/her supervisor. Signed hardcopies of the forms should reside in the administrative file for the facility. These forms should also be kept in electronic format that can be posted on an “EI database” web site developed by the Office of Solid Waste. The web site for completed forms is currently under development. However, blank EI guidance forms are available for downloading at www.epa.gov/correctiveaction/eis.htm.

Nationally Required: Yes, data for this event will be accessible by Headquarters.

Schedule Date: Date this event is anticipated.

Actual Date: Date that the EPA or State documents that the facility has achieved the event, or that the event documentation is no longer applicable.

Responsible Agency: EPA or State

Guidance:

The RCRA corrective action program and achievement of its Government Performance Results Act (GPRA) goals are of highest priority for the national RCRA program. The RCRA program is using two Environmental Indicators (EI) to measure program performance for GPRA purposes: (1) Current Human Exposures Under Control (CA725), and (2) Migration of Contaminated

Groundwater Under Control (CA750).

On 2/5/1999 revised interim-final guidance for RCRA Corrective Action Environmental Indicators was issued which replaces the EI guidance promulgated in 1994 and 1995. This will remain the working guidance for at least one year. The interim-final guidance is similar to the earlier guidance but has been modified to facilitate more consistent determinations (across regions and states) and to be more explicit with regard to the minimum level of documentation required to ensure that the determinations will be verifiable. The guidance was developed with the cooperation and input of representatives from all ten EPA regions and at least one state from each region.

The guidance is in the form of questions to be answered in making an EI determination. The question and answer options express the minimum criteria for EI determination and are not to be modified for regional, state or site-specific conditions. Standard forms/worksheets entitled **Documentation of Environmental Indicator Determination** were developed for CA725 and CA750 which will assist regions and states in making EI determinations and at the same time, formally document the determination process.

Signed hardcopies of the forms should reside in the administrative file for the facility. These forms should also be kept in electronic format that can be posted on an “EI database” web site developed by the Office of Solid Waste. The web site for completed forms is currently under development. However, blank EI guidance forms are available for downloading at www.epa.gov/correctiveaction/eis.htm.

Note: A summary of guidance contained on the form for CA750 – Contaminated Groundwater Under Control follows. This text is largely from the 2/5/99 Interim-Final EI guidance; however, the text has been summarized and slightly modified to fit the format of the RCRIS Data Element Dictionary. EI determinations should not be made based solely on this DED text, and should be based on the full text of the 2/5/99 Interim-Final EI guidance.

1. First, has **all** available relevant/significant information on known and reasonably suspected releases to the groundwater media, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units [SWMU], Regulated Units [RU], and Areas of Concern [AOC]), been **considered** in this EI determination?
 - If no, reevaluate existing data
 - If data are not available, skip to step 8 and indicate “IN” (more information needed) status code.
2. Second, is **groundwater** known or reasonably suspected to be “**contaminated**”¹ above appropriately protective “levels” (i.e., applicable promulgated standards, as

well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?

- If yes, proceed to step 3 after identifying key contaminants, citing appropriate “levels,” and referencing supporting documentation.
- If no, skip to step 8 and indicate “YE” status code, after citing appropriate “levels,” and referencing supporting documentation to demonstrate that groundwater is not “contaminated.”
- If unknown, skip to step 8 and indicate “IN” status code.

Footnote for step 2:

¹ “Contamination” and “contaminated” describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate “levels” (appropriate for the protection of the groundwater resource and its beneficial uses).

3. Third, has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within “existing area of contaminated groundwater”² as defined by the monitoring locations designated at the time of this determination)?
 - If yes, proceed to step 4 after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the “existing area of groundwater contamination”²).
 - If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the “existing area of groundwater contamination”²), skip to step 8 and indicate “NO” status code, after providing an explanation.
 - If unknown, skip to step 8 and indicate “IN” status code.

Footnote for step 3:

² “existing area of contaminated groundwater” is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of “contamination” that can and will be sampled/tested in the future to physically verify that all “contaminated” groundwater remains within this area, and that the further migration of “contaminated” groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to

incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

4. Fourth, does “contaminated” groundwater **discharge** into **surface water** bodies?

-- If yes, proceed to step 5 after identifying potentially affected surface water bodies.

-- If no, skip to step 7 (and indicate a “YE” status code in step 8, if step 7 = yes) after providing an explanation and/or referencing documentation supporting that groundwater “contamination” does not enter surface water bodies.

-- If unknown, skip to step 8 and indicate “IN” status code.

5. Fifth, is the **discharge** of “contaminated” groundwater into surface water likely to be “**insignificant**” (i.e., the maximum concentration³ of each contaminant discharging into surface water is less than 10 times their appropriate groundwater “level,” and there are no other conditions (e.g., the nature, and number, of discharging contaminants, or environmental setting), which significantly increase the potential for unacceptable impacts to surface water, sediments, or eco-systems at these concentrations)?

-- If yes, skip to step 7 (and indicate “YE” status code in step 8 if step 7 = yes), after documenting: 1) the maximum known or reasonably suspected concentration³ of key contaminants discharged above their groundwater “level,” the value of the appropriate “level(s),” and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgement/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.

-- If no (the discharge of “contaminated” groundwater into surface water is potentially significant), proceed to step 6 after documenting: 1) the maximum known or reasonably suspected concentration³ of each contaminant discharged above its groundwater “level,” the value of the appropriate “level(s),” and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations³ greater than 100 times their appropriate groundwater “levels,” the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.

-- If unknown, skip to step 8 and indicate “IN” status code.

Footnote for step 5:

³ As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.

6. Sixth, can the **discharge** of “contaminated” groundwater into surface water be shown to be “**currently acceptable**” (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented⁴)?

-- If yes - continue after either: 1) identifying the Final Remedy decision incorporating these conditions, or other site-specific criteria (developed for the protection of the site’s surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR 2) providing or referencing an interim-assessment,⁵ appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interim-assessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment “levels,” as well as any other factors, such as effects on ecological receptors (e.g., via bio-assays/benthic surveys or site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.

-- If no (the discharge of “contaminated” groundwater can not be shown to be “**currently acceptable**”), skip to step 8 and indicate “NO” status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and/or eco-systems.

-- If unknown, skip to step 8 and indicate “IN” status code.

Footnotes for step 6:

⁴ Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near

surface water bodies.

⁵ The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

7. Seventh, will groundwater **monitoring** / measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the “existing area of contaminated groundwater?”
 - If yes, continue after providing or citing documentation for planned activities or future sampling/measurement events. Specifically identify the well/measurement locations which will be tested in the future to verify the expectation (identified in step 3) that groundwater contamination will not be migrating horizontally (or vertically, as necessary) beyond the “existing area of groundwater contamination.”
 - If no, indicate “NO” status code in step 8.
 - If unknown, indicate “IN” status code in step 8.
8. Eighth, check the appropriate RCRIS status codes for the Migration of Contaminated Groundwater Under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination form (attach appropriate supporting documentation as well as a map of the facility).
 - YE - Yes, “Migration of Contaminated Groundwater Under Control” has been verified. Based on a review of the information contained in this EI determination, it has been determined that the “Migration of Contaminated Groundwater” is “Under Control” at the facility. Specifically, this determination indicates that the migration of “contaminated” groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the “existing area of contaminated groundwater.” This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
 - NO - Unacceptable migration of contaminated groundwater is observed or expected.
 - IN - More information is needed to make a determination.
9. Ninth, ensure that RCRIS is updated. When entering a new status code or

changing a previous determination (e.g., IN to NO), a new CA750 event record with the new date should be used instead of overwriting the old status code and the associated date in order to maintain an event history for the facility.

The Environmental Indicator event codes are “legitimate orphans” in RCRIS because they are considered facility-wide events. This means that the event should not be linked to an authority or an area. National reports will only pull unlinked EI data.

CA999 - Corrective Action Process Terminated

Table: Corrective Action Event

Event Code Name:	CA999 - CORRECTIVE ACTION PROCESS TERMINATED
Description:	<p>This event indicates the completion of the corrective action process; that active remedial measures as specified in the RCRA permit or enforcement order are completed for the entire facility or for areas at the facility.</p> <p>This event should be entered 1) after the Certification of Remedy Completion or Construction Completion (CMI Completed) (CA550), and/or 2) after a stabilization measure(s) has been completed in a manner that meets the stabilization objectives, goals, performance standards, and/or desired results (CA650), and terminating corrective action at this point at the facility or area would satisfy all permit or order requirements for CA.</p> <p>Status Codes:</p> <p>NF No Further Action</p> <p>RM Remedial Activities Completed</p>
Initiating Sources:	Written acknowledgement, placed in the facility file, stating that all projected activity has been completed.
Nationally Required:	Yes
Schedule Date:	Date the event is scheduled to be completed.
Actual Date:	Date the sequence of events was completed.
Responsible Agency:	EPA or State

Corrective Action DED

Guidance:

This new definition clarifies the difference between CA210 and CA999. Regions have not been using these two events in a nationally consistent way, because national guidance has not been clear. CA999 means all remediation and stabilization has been completed at the facility or area of the facility and all requirements in facility permits and/orders have been satisfied for the facility or area. CA210 means that the work is being done by another Federal authority. Since CA999 is an important success measure the definition must be clear to ensure that Regions and States will use the event consistently.

Note: RCRIS reports that show data "collapsed" to the facility level will show CA999 for a facility only when (1) the code exists at the facility level (i.e., has not been linked to specific areas), or (2) the code has been linked to **all** areas if it has been linked to **any** area(s).



LU_LEAD_PROGRAM

Primary Key for LU_LEAD_PROGRAM:

Data Element Name	Oracle Column Name
Owner	OWNER
Lead Program	LEAD_PROGRAM

Data Elements for LU_LEAD_PROGRAM:

Data Element Name	Oracle Column Name
Lead Program Usage	USAGE
Lead Program Active Status	ACTIVE_STATUS
Lead Program Description	LEAD_PROGRAM_DESC
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Help Notes	HELP_NOTES

Relationships

Sometimes REFERS_TO One or More [ACA_AUTHORITY](#)

Owner

Table: LU_LEAD_PROGRAM

Data Element Name: Owner

Corrective Action DED

Oracle Column Name:	OWNER
Description:	Indicates the agency that defines the program.
Format:	CHAR(2)
Allowed Values:	US Nationally defined
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Lead Program

Table: LU_LEAD_PROGRAM

Data Element Name:	Lead Program
Oracle Column Name:	LEAD_PROGRAM
Description:	Code indicating the program in which the organization establishes the applicable guidance that the authority should be issued.
Format:	CHAR(1)
Allowed Values:	R RCRA C CERCLA
Default Value:	None
Implementer Defined Codes:	None
Comments:	

Lead Program Usage

Table: LU_LEAD_PROGRAM

Data Element Name:	Lead Program Usage
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Oracle Column Name:

USAGE

Description:

Defines the intended use of the lead program, based on three criteria:

- Nationally defined or Implementer defined code
- Nationally required (core) data
- Publicly releasable by HQ

Format:

CHAR(1)

Allowed Values:

Code	Description	Lookup Code Owner
1	Nationally defined Nationally required Routinely released	HQ
2	Nationally defined Nationally required Not routinely released	HQ
3	Nationally defined Not nationally required Routinely released	US
4	Nationally defined Not nationally required Not routinely released	US
5	Implementer defined Nationally required Routinely released	State or Region
6	Implementer defined Nationally required Not routinely released	State or Region
7	Implementer defined Not nationally required Routinely released	State or Region
8	Implementer defined Not nationally required Not routinely released	State or Region
0	Unknown	N/A

Default Value:

0 - Unknown

Implementer Defined Codes:

No

Comments:

Lead Program Active Status

Table: LU_LEAD_PROGRAM

Data Element Name:	Lead Program Active Status
Oracle Column Name:	ACTIVE_STATUS
Description:	Indicates whether the program is currently applicable.
Format:	CHAR(1)
Allowed Values:	Y Yes N No
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Lead Program Description

Table: LU_LEAD_PROGRAM

Data Element Name:	Lead Program Description
Oracle Column Name:	LEAD_PROGRAM_DESC
Description:	English description of the program.
Format:	VARCHAR2(50)
Allowed Values:	N/A
Default Value:	Blank
Implementer Defined Codes:	N/A
Comments:	

User ID of Last Change

Table: LU_LEAD_PROGRAM

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: LU_LEAD_PROGRAM

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated

Corrective Action DED

Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Help Notes

Table: LU_LEAD_PROGRAM

Data Element Name:	Help Notes
Oracle Column Name:	HELP_NOTES
Description:	Additional information regarding the program.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
Implementer Defined Codes:	N/A
Comments:	



LU_STAFF

Primary Key for LU_STAFF:

Data Element Name	Oracle Column Name
Owner	OWNER
Staff Person Identifier	PERSON_IDENTIFIER

Data Elements for LU_STAFF:

Data Element Name	Oracle Column Name
First Name	FIRST_NAME
Middle Initial	MIDDLE_INITIAL
Last Name	LAST_NAME
Staff Person Identifier Usage	USAGE
Staff Person Identifier Active Status	ACTIVE_STATUS
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Help Notes	HELP_NOTES

Relationships

Sometimes ASSOCIATES_EPA_PERSON One or More [AAREA](#)

Sometimes ASSOCIATES_WITH_STATE_PERSON One or More [AAREA](#)

Sometimes ASSOCIATES_PERSON One or More [ACA_AUTHORITY](#)

Sometimes WORKS_WITH_ATTORNEY One or More [ACA_AUTHORITY](#)

Sometimes IS_ASSOCIATED_WITH_PERSON One or More [AEVENT](#)

Sometimes IS_ASSIGNED_EPA_ATTY One or More [PSERIES](#)

Sometimes IS_ASSIGNED_EPA_PERSON One or More [PSERIES](#)

Sometimes DESCRIBES_RESPONSIBLE_PERSON One or More [PEVENT](#)

Sometimes IS_ASSIGNED_STATE_ATTY One or More [PSERIES](#)

Sometimes IS_ASSIGNED_STATE_PERSON One or More [PSERIES](#)

Sometimes DESCRIBES One or More [CEVALUATION](#)

Sometimes DESCRIBES One or More [CVIOLATION](#)

Sometimes DESCRIBES One or More [CENFORCEMENT](#)

Sometimes DESCRIBES One or More [CSEP](#)

Owner

Table: LU_STAFF

Data Element Name:	Owner
Oracle Column Name:	OWNER
Description:	Indicates the agency that defines the person identifier.
Format:	CHAR(2)
Allowed Values:	01 - 10 Regions State postal code
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Staff Person Identifier

Table: LU_STAFF

Data Element Name:	Staff Person Identifier
Oracle Column Name:	PERSON_IDENTIFIER
Description:	State or Region identifier (two characters) and initials of staff person (three characters).
Format:	VARCHAR2(5)
Allowed Values:	1-2 Characters
	01 - 10 Region identifier
	State postal code State identifier
	3-5 Characters
	Any three characters Staff person initials
Default Value:	None
Implementer Defined Codes:	No
Comments:	

First Name

Table: LU_STAFF

Data Element Name:	First Name
Oracle Column Name:	FIRST_NAME
Description:	First name of the staff member
Format:	VARCHAR2(15)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Middle Initial**Table: LU_STAFF**

Data Element Name:	Middle Initial
Oracle Column Name:	MIDDLE_INITIAL
Description:	Middle initial of the staff member
Format:	CHAR(1)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Last Name**Table: LU_STAFF**

Data Element Name:	Last Name
Oracle Column Name:	LAST_NAME
Description:	Last name of the staff member
Format:	VARCHAR2(15)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Staff Person Identifier Usage**Table: LU_STAFF**

Data Element Name:	Staff Person Identifier Usage		
Oracle Column Name:	USAGE		
Description:	Defines the intended use of the staff person identifier, based on three criteria: <ul style="list-style-type: none"> • Nationally defined or Implementer defined code • Nationally required (core) data • Publicly releasable by HQ 		
Format:	CHAR(1)		
Allowed Values:	Code	Description	Lookup Code Owner
	1	Nationally defined Nationally required Routinely released	HQ
	2	Nationally defined Nationally required Not routinely released	HQ
	3	Nationally defined Not nationally required Routinely released	US
	4	Nationally defined Not nationally required Not routinely released	US
	5	Implementer defined Nationally required Routinely released	State or Region
	6	Implementer defined Nationally required Not routinely released	State or Region
	7	Implementer defined Not nationally required Routinely released	State or Region
	8	Implementer defined Not nationally required Not routinely released	State or Region
	0	Unknown	N/A
Default Value:	0 - Unknown		

Implementer Defined Codes: No
Comments:

Staff Person Identifier Active Status

Table: LU_STAFF

Data Element Name:	Staff Person Identifier Active Status
Oracle Column Name:	ACTIVE_STATUS
Description:	Indicates if the staff person identifier is currently applicable.
Format:	CHAR(1)
Allowed Values:	Y Yes N No
Default Value:	None
Implementer Defined Codes:	No
Comments:	

User ID of Last Change

Table: LU_STAFF

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes

Corrective Action DED

Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: LU_STAFF

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Help Notes

Table: LU_STAFF

Data Element Name:	Help Notes
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Oracle Column Name:	HELP_NOTES
Description:	Additional information regarding the staff person identifier.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	No
Comments:	



LU_STATUTORY_CITATION

Primary Key for LU_STATUTORY_CITATION:

Data Element Name	Oracle Column Name
Owner	OWNER
Statutory Citation	STATUTORY_CITATION

Data Elements for LU_STATUTORY_CITATION:

Data Element Name	Oracle Column Name
Statutory Citation Usage	USAGE
Statutory Citation Active Status	ACTIVE_STATUS
Statutory Citation Description	STATUTORY_CITATION_DESC
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Help Notes	HELP_NOTES

Relationships

Sometimes REFERS_TO One or More [ASTATUTE_CITATION](#)

Owner

Table: LU_STATUTORY_CITATION

Data Element Name:	Owner
Oracle Column Name:	OWNER
Description:	Indicates the agency that defines the statutory citation.
Format:	CHAR(2)
Allowed Values:	US Nationally defined
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Statutory Citation

Table: LU_STATUTORY_CITATION

Data Element Name:	Statutory Citation
Oracle Column Name:	STATUTORY_CITATION
Description:	Code designating specific statutory or regulatory provision providing legal authority for imposition of requirements.
Format:	CHAR(1)
Allowed Values:	A RCRA 3004(u) or equivalent B RCRA 3004(v) or equivalent C RCRA 3008(a) or equivalent D RCRA 3008(h) or equivalent E RCRA 3013 or equivalent F RCRA 7003 or equivalent G CERCLA 104 or equivalent H CERCLA 106 or equivalent U Other, specified by <u>STATUTORY_CITATION_DESC</u>
Default Value:	None
Implementer Defined Codes:	No
Comments:	Values "A" and "B" are applicable to permit

instruments only. Values "C" through "H" are applicable to enforcement authority only. Value "U" is generically applicable, including "voluntary" instruments. "Voluntary" instruments may only have this value.

Statutory Citation Usage

Table: LU_STATUTORY_CITATION

Data Element Name:	Statutory Citation Usage		
Oracle Column Name:	USAGE		
Description:	Defines the intended use of the statutory citation, based on three criteria: <ul style="list-style-type: none"> • Nationally defined or Implementer defined code • Nationally required (core) data • Publicly releasable by HQ 		
Format:	CHAR(1)		
Allowed Values:	Code	Description	Lookup Code Owner
	1	Nationally defined Nationally required	HQ
	2	Nationally defined Nationally required	HQ
	3	Nationally defined Not nationally required	US
	4	Nationally defined Not nationally required	US
	5	Implementer defined	State or Region

	Nationally required Routinely released	
6	Implementer defined Nationally required Not routinely released	State or Region
7	Implementer defined Not nationally required Routinely released	State or Region
8	Implementer defined Not nationally required Not routinely released	State or Region
0	Unknown	N/A
Default Value:	0 - Unknown	
Implementer Defined Codes:	No	
Comments:		

Statutory Citation Active Status

Table: LU_STATUTORY_CITATION

Data Element Name:	Statutory Citation Active Status
Oracle Column Name:	ACTIVE_STATUS
Description:	Indicates whether the statutory citation is currently applicable.
Format:	CHAR(1)
Allowed Values:	Y Yes N No
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Statutory Citation Description

Table: LU_STATUTORY_CITATION

Data Element Name:	Statutory Citation Description
Oracle Column Name:	STATUTORY_CITATION_DESC
Description:	Text designating specific statutory or regulatory provision providing legal authority for imposition of requirements.
Format:	VARCHAR2(50)
Allowed Values:	Citation can only be entered if STATUTORY_CITATION code is "U".
Default Value:	None
Implementer Defined Codes:	N/A
Comments:	Provides further detail and description for Legal Authority Code of "U".

User ID of Last Change

Table: LU_STATUTORY_CITATION

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No

Comments:

Date of Last Change

Table: LU_STATUTORY_CITATION

Data Element Name:	Date of Last Change
Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Help Notes

Table: LU_STATUTORY_CITATION

Data Element Name:	Help Notes
Oracle Column Name:	HELP_NOTES
Description:	Additional information regarding the statutory citation.
Format:	VARCHAR2(240)
Allowed Values:	N/A

Corrective Action DED

Default Value:	Blank
Implementer Defined Codes:	N/A
Comments:	



LU_SUBORGANIZATION

Primary Key for LU_SUBORGANIZATION:

Data Element Name	Oracle Column Name
Owner	OWNER
Suborganization Identifier	SUBORGANIZATION

Data Elements for LU_SUBORGANIZATION:

Data Element Name	Oracle Column Name
Suborganization Identifier Usage	USAGE
Suborganization Identifier Active Status	ACTIVE_STATUS
Suborganization Identifier Description	SUBORG_DESC
User ID of Last Change	USERID
Date of Last Change	LAST_CHANGE
Help Notes	HELP_NOTES

Relationships

Sometimes REFERS_TO One or More [ACA_AUTHORITY](#)

Sometimes REFERENCES One or More [AEVENT](#)

Sometimes REFERENCES One or More [CEVALUATION](#)

Sometimes REFERENCES One or More [CVIOLATION](#)

Sometimes REFERENCES One or More [CENFORCEMENT](#)

Sometimes REFERENCES One or More [PEVENT](#)

Owner

Table: LU_SUBORGANIZATION

Data Element Name:	Owner
Oracle Column Name:	OWNER
Description:	Indicates the agency that defines the suborganization identifier.
Format:	CHAR(2)
Allowed Values:	01-10 Regions State postal code
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Suborganization Identifier

Table: LU_SUBORGANIZATION

Data Element Name:	Suborganization Identifier
Oracle Column Name:	SUBORGANIZATION
Description:	Name or abbreviation of a state division/section (suborganization).
Format:	VARCHAR2(10)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	Yes
Comments:	

Suborganization Identifier Usage

Table: LU_SUBORGANIZATION

Data Element Name:	Suborganization Identifier Usage		
Oracle Column Name:	USAGE		
Description:	Defines the intended use of the suborganization identifier, based on three criteria: <ul style="list-style-type: none"> • Nationally defined or Implementer defined code • Nationally required (core) data • Publicly releasable by HQ 		
Format:	CHAR(1)		
Allowed Values:	Code	Description	Lookup Code Owner
	1	Nationally defined Nationally required Routinely released	HQ
	2	Nationally defined Nationally required Not routinely released	HQ
	3	Nationally defined Not nationally required Routinely released	US
	4	Nationally defined Not nationally required Not routinely released	US
	5	Implementer defined Nationally required Routinely released	State or Region
	6	Implementer defined Nationally required Not routinely released	State or Region
	7	Implementer defined Not nationally required Routinely released	State or Region
	8	Implementer defined	State or Region

	Not nationally required Not routinely released	
	0 Unknown	N/A
Default Value:	0 - Unknown	
Implementer Defined Codes:	No	
Comments:		

Suborganization Identifier Active Status

Table: LU_SUBORGANIZATION

Data Element Name:	Suborganization Identifier Active Status
Oracle Column Name:	ACTIVE_STATUS
Description:	Indicates if the suborganization identifier is currently applicable.
Format:	CHAR(1)
Allowed Values:	Y Yes N No
Default Value:	None
Implementer Defined Codes:	No
Comments:	

Suborganization Identifier Description

Table: LU_SUBORGANIZATION

Data Element Name:	Suborganization Identifier Description
Oracle Column Name:	SUBORG_DESC
Description:	English description of the suborganization identifier.

Format:	VARCHAR2(80)
Allowed Values:	N/A
Default Value:	None
Implementer Defined Codes:	N/A
Comments:	

User ID of Last Change

Table: LU_SUBORGANIZATION

Data Element Name:	User ID of Last Change
Oracle Column Name:	USERID
Description:	Records the user ID of the last person to change the data.
Format:	VARCHAR2(6)
Allowed Values:	N/A
Default Value:	Current user ID
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Date of Last Change

Table: LU_SUBORGANIZATION

Data Element Name:	Date of Last Change
--------------------	---------------------

Corrective Action DED

Oracle Column Name:	LAST_CHANGE
Description:	Records the date that the data was last changed.
Format:	DATE
Allowed Values:	Valid date/time stamp
Default Value:	Current date and time
System Required:	Yes
Initiating Source:	System-generated
Sources of Update:	System-generated
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	

Help Notes

Table: LU_SUBORGANIZATION

Data Element Name:	Help Notes
Oracle Column Name:	HELP_NOTES
Description:	Additional information regarding the suborganization.
Format:	VARCHAR2(240)
Allowed Values:	N/A
Default Value:	Blank
System Required:	No
Initiating Source:	Implementer
Sources of Update:	Implementer
Implementer Defined Codes:	N/A
Nationally Required:	No
Released:	No
Comments:	